

6IHSSF1044



DocumentID NONCD0002873

Site Name NELLO TEER QUARRY-DENFIELD

DocumentType Progress/Monitoring Rpt (PRGMON)

RptSegment 1

DocDate 11/4/2004

DocRcvd 2/20/2007

Box SF1044

AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY

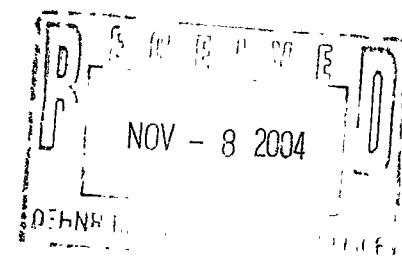
GROUNDWATER MONITORING REPORT
October 2004 Sampling Event
Former Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina

GROUNDWATER (APS) INC. # 9357

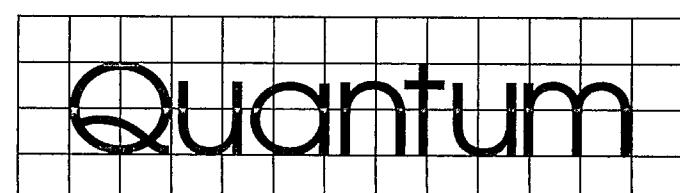
Prepared for:
Hanson Aggregates
2300 Gateway Centre Blvd.
Morrisville, North Carolina 27560

Prepared by:
Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

November 2004



Quantum Project No. 0013-94-012



Quantum Environmental, Inc.

November 4, 2004

NOV - 8 2004
DENR RRO

Mr. Mark Powers
North Carolina Department of Environment and Natural Resources
UST Section
1628 Mail Service Center
Raleigh, NC 27699

RE: Semi-Annual Groundwater Monitoring Report Submittal
Hanson Aggregates Durham Quarry
Durham, NC
Groundwater Incident Number 9357
Quantum Project No. 0013-94-012

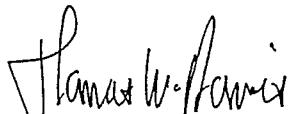
Dear Mr. Powers:

Quantum Environmental, Inc. (Quantum) is pleased to submit the enclosed Semi-Annual Groundwater Monitoring Report concerning the above-referenced site. This report documents the groundwater conditions at the site in October 2004.

If you have any questions regarding this report, please contact me at (919) 852-3595.

Sincerely,

QUANTUM ENVIRONMENTAL, INC.


Thomas W. Davis, L. G.
Project Hydrogeologist

L04-197

Cc: Mr. Steve Edgerton, L. G.
Mr. Eric Rice, DENR- RRO, Groundwater Section

Enclosure

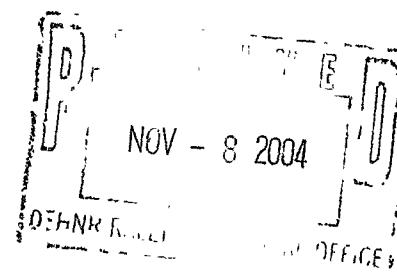
Semi-Annual Groundwater Monitoring Report

Nello Teer Quarry
5013 Denfield Street
Durham, North Carolina
Durham County
Groundwater Incident #9357

Date of Report: November 4, 2004

Site Priority Ranking: 110B

Responsible Party: Nello Teer Company
5013 Denfield Street
Durham, NC 27560
(919) 477-2413



Current Owner: Hanson Aggregates
2300 Gateway Centre
Morrisville, NC 27560
(919) 380-2600

Consultant: Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Release Information:

The soil and groundwater contamination by petroleum hydrocarbons appears to have originated from gasoline, diesel, and waste oil underground storage tanks (USTs) located at a former gas station on-site with multiple UST nests. Additional groundwater contamination, by chlorinated hydrocarbons, appears to have originated from an asphalt testing laboratory formerly operated by the North Carolina Department of Transportation (NCDOT).

Latitude: 36° 3.45' North **Longitude:** 78° 53.10' West


Thomas Davis, L.G.
Project Hydrogeologist

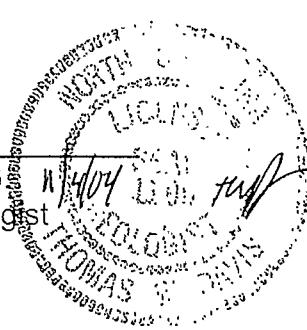


TABLE OF CONTENTS

SECTION	PAGE
1.0 Background	1
1.1 <i>Site Location and History</i>	1
2.0 Groundwater Sampling Methodology	2
3.0 Groundwater Sampling Results	3
3.1 <i>Discussion of Sampling Results, Chlorinated VOCs</i>	4
3.2 <i>Discussion of Sampling Results, Petroleum Hydrocarbons</i>	4
4.0 Remediation System Operation Summary	5
5.0 Summary and Recommendations	6

FIGURES:

Figure 1	U.S.G.S. Topographic/Site Location Map
Figure 2	Well Location Map
Figure 3	Potentiometric Surface Map, Shallow Aquifer
Figure 4	Potentiometric Surface Map, Deep Aquifer
Figure 5	Benzene Isoconcentration Map
Figure 6	Vinyl Chloride Isoconcentration Map
Figure 7	Trichloroethene Isoconcentration Map
Figure 8	1,1 - Dichloroethene Isoconcentration Map

TABLES:

Table 1	Well and Water Level Data
Table 2	Groundwater Sample Results Summary, Shallow Wells
Table 3	Groundwater Sample Results Summary, Deep Wells
Table 4	Summary of Monitoring Well Analytical Results
Table 5	Summary of Recovery Well Analytical Results

APPENDICES:

Appendix A	Laboratory Analytical Results and Chain of Custody
Appendix B	Charts of Groundwater Concentrations Versus Time for MW-23 and MW-25

1.0 Background

On October 5 and 6, 2004, Quantum Environmental, Inc. (Quantum) personnel conducted groundwater-sampling activities from selected monitoring and recovery wells at the former Nello Teer (Teer) Quarry yard in Durham, North Carolina. This was done in accordance with the active remediation Corrective Action Plan (CAP) submitted to the North Carolina Department of Environment, Health and Natural Resources (DEHNR), Raleigh Regional Office in 1995. This report presents the sampling methodologies, groundwater flow directions, current extent of contamination, analytical results provided by Environmental Science Corporation (ESC), and recommendations. This sampling was conducted to define the contaminant plumes and assess the progress of the site cleanup.

1.1 *Site Location and History*

The Nello Teer Quarry is an inactive aggregate mining and processing facility located on Denfield Street (State Road 1641) in Durham County, North Carolina (Figure 1). The property has been in operation as a crushed stone quarry and asphalt plant since the 1940s; however, at this time it is used for aggregate staging and equipment maintenance only, with no active mining operations occurring. Groundwater contamination found in a water supply well designated W-1 prompted the issuance of a Notice of Violation from the North Carolina Division of Environmental Management (NCDEM) under the North Carolina Groundwater Standards (15 NCAC 2L) in November, 1993.

The soil and groundwater contamination by petroleum hydrocarbons appears to have originated from gasoline, diesel, and waste oil underground storage tanks (USTs) located at a former gasoline station on-site (multiple UST nests). Additional groundwater contamination, by chlorinated hydrocarbons, appears to have originated from an asphalt-testing laboratory formerly operated by the North Carolina Department of Transportation (NCDOT). A Comprehensive Site Assessment Report, submitted by Geogenetics, Inc. in 1993 indicated a large volume of contaminated soil existed at the site; however, many of Geogenetics conclusions were based on field organic vapor analyzer results only and were not confirmed with laboratory analysis of soil samples.

Quantum submitted a revised Corrective Action Plan (CAP) for soil and groundwater remediation along with applications for a permit to land apply hydrocarbon-contaminated soils and a discharge permit (NPDES) for treated groundwater. The permits were both issued and the land application of contaminated soil was completed in 1997. Quantum completed construction and started the groundwater remediation system in October 1997. To date over 12 million gallons of groundwater have been recovered and successfully treated by this remediation system. Figure 2 illustrates the locations of all monitoring and recovery wells at the site.

October 2004 Compliance Monitoring Event
Hanson Aggregates
Nello Teer Quarry

During the week of February 17, 2003 a Hydrogen Release Compound (HRC®) pilot study injection event took place in a 40-foot by 40-foot grid centered on MW-29 and MW-29i (Figure 3). This pilot study was conducted to determine the effects of injecting this material into the subsurface to treat the chlorinated solvent plume present in this area. 3,000 pounds of HRC® were injected into the subsurface through a total of 25 injection points. Approximately half of the injection points were 33 feet deep and the remaining injection points were 18 feet deep. A report detailing the results of the HRC® pilot study was submitted to the North Carolina Department of Environment and Natural Resources (DENR) Division of Water Quality on March 24, 2004.

On September 9, 2003 groundwater recovery and treatment was temporarily suspended. This was done to eliminate the potential for remediation system effluent chronic-toxicity testing failures. After considerable evaluation of the operation and design of the remediation system as well as consideration of other possible discharge alternatives, Quantum determined that the only way to ensure no further chronic-toxicity testing failures would occur was to continue the temporary suspension of system operations.

Quantum anticipates resuming operation of recovery wells RW-3, RW-8 and RW-10 in the near future. These recovery wells are located in the petroleum plume. Operation of these wells, as well as the recently installed soil vapor extraction (SVE) system located in the vicinity of the former service station, should accelerate the remediation of the limited remaining petroleum contamination at the site (Figure 5). This SVE system, when operational, will address the BTEX and naphthalene contaminated soil in the vicinity of the former USTs.

Presently eight monitoring wells for the shallow (water table) aquifer and eight monitoring wells for the deep (semi-confined) aquifer exist at the site. There are also ten recovery wells at the site. Five recovery wells are located near the old gasoline station on the southern portion of the site (RW-2, 3, 4, 8, and 10), four are located at the site of the old asphalt plant on the northern portion of the site (RW-5, 6, 7, and 9), and one deep recovery well is located between the two source areas (RW-1). A Well Location Map is presented as Figure 2. The only wells that were sampled during this event were monitoring wells MW-1, 7, 20D, 23, 25, 25I, 28D, 29I and recovery wells RW-1, 3, 8, and 10. A DENR State Trust Fund pre-approval request to sample additional wells submitted prior to this sampling event was not granted.

2.0 Groundwater Sampling Methodology

Prior to collecting groundwater samples, water levels were measured in all monitoring wells using an electronic water level meter. The expansion plugs were removed from each well and enough time was allowed before collecting the measurements to permit the water level in the monitoring wells to equilibrate with the ambient atmospheric pressure. The

October 2004 Compliance Monitoring Event
Hanson Aggregates
Nello Teer Quarry

measurements were collected to an accuracy of 0.01 feet and recorded in the field logbook.

In order to prevent cross contamination from one well to another while collecting water levels, Quantum personnel donned new, clean, non-reactive gloves prior to measuring each well. The electronic water level meter probe and tape were decontaminated following EPA protocol prior to collecting measurements from each well. Water level data from all wells gauged are presented in Table 1.

All monitoring wells sampled were purged by removing at least three well volumes of groundwater, or until the wells went dry, using new disposable bailers and new nylon rope. MW-20D, MW-28D and MW-1 were purged and sampled using a cleaned pump and new tubing. After allowing groundwater levels to equilibrate to or near static water levels following purging, water samples were collected from the following wells:

Shallow: MW-7, MW-25, MW-25i, MW-29i; and
Recovery wells RW-10

Deep: MW-1, MW-20D, MW-28D, MW-23; and
Recovery wells RW-1, RW-3 and RW-8

The samples were placed in labeled, laboratory prepared containers, stored on ice in a cooler, and transported under Chain of Custody to ESC, a North Carolina certified laboratory. All of the samples were submitted for analysis using a combination of EPA Methods 601, 602, and 610. A copy of the Chain of Custody is included in Appendix A

3.0 Sampling Results

Potentiometric data collected from the monitoring wells during previous sampling events indicates that the groundwater flow direction for the shallow aquifer is basically away from the marshy area to the southwest, south and southeast. The limited information collected during the latest sampling event indicates that the average hydraulic gradient for the shallow aquifer was 0.055 ft/ft. The groundwater flow direction for the deep aquifer was determined to be to the northwest with an average hydraulic gradient of 0.043 ft/ft. Table 1 presents a summary of the water level data from the latest sampling event. Figures 3 and 4 present potentiometric surface maps of the shallow and deep aquifers, respectively. Unlike during previous sampling events, no groundwater recovery wells were functioning at the time these water levels were collected. Water level measurements were collected while some, if not all, recovery wells were operating during previous sampling events.

3.1 Discussion of Sampling Results, Chlorinated VOCs

Laboratory analytical results from the latest semi-annual sampling event indicate that levels of chlorinated hydrocarbons detected in the groundwater monitoring wells have decreased since the last sampling event. The only monitoring wells sampled in the chlorinated solvent plume area were MW-25, 25i and 28d. During the latest sampling event MW-25 and MW-225i contained only vinyl chloride above the 2L standards. MW-28d contained no compounds above the 2L standards. In addition, the concentrations of vinyl chloride in MW-25 and MW-25i decreased significantly since the April 2004 sampling event. It is not known if these decreases are temporary or if the results are indicative of natural attenuation possibly enhanced by the HRC® injection event.

The concentrations of CVOCS in recovery well RW-1 continue to vary. The concentration of trichloroethene in this well increased from less than the detection limit during the April 2004 sampling event to 3.20 µg/l which is greater than the 2L standard of 2.80 µg/l. The remaining recovery wells in the chlorinated solvent plume were not sampled during this sampling event.

Tabulations of the current laboratory analytical results for the shallow and deep aquifers are presented in Tables 2 and Table 3, respectively. Figure 6 is the vinyl chloride isoconcentration map for the site. Figures 7 and 8 are the trichloroethene and 1,1-dichloroethene concentration maps, respectively, for the site. Table 4 provides the complete historical monitoring well data from 1993 through the current monitoring period, and Table 5 is a compilation of the analytical results for the recovery wells at the site. Overall, sampling results from the site indicate a gradual decrease in groundwater contaminant concentrations. This historic data has been plotted in a series of groundwater contaminant concentration versus time graphs illustrating the decrease in contaminant concentrations for two representative monitoring wells at the site. These graphs are presented as Appendix B.

3.2 Discussion of Sampling Results, Petroleum Hydrocarbons

Laboratory analytical results from the October 2004 semi-annual sampling event indicate that the levels of petroleum hydrocarbons detected in the groundwater monitoring wells vary across the site.

MW-20D contained no compounds above State 2L Standards while MW-23 experienced a slight increase in benzene and other petroleum VOCs. Recovery well RW-1 was found to contain benzene and 1-methylnaphthalene above the 2L Standards. Recovery well RW-2 was not sampled during the latest sampling event, but it has not contained any petroleum compounds above 2L Standards since January 2001, and only one compound has been detected above 2L Standards since 1994. Recovery well RW-3 was found to contain

several petroleum compounds, including benzene, ethylbenzene, naphthalene, 1-, and 2-methylnaphthalene and acenaphthene above State standards (there is no standard for 1-methylnaphthalene, thus no detectable concentration is allowed). Recovery wells RW-4, 5, 6, 7 and 9 were not sampled during the latest sampling event. RW-8 contained benzene, naphthalene and 1-methylnaphthalene above 2L Standards. RW-9 was not sampled during this event, but it has not contained any detectable concentrations of petroleum compounds when sampled during past events. The new recovery well, RW-10 contained naphthalene, acenaphthene and 1-and 2-methylnaphthalene above State standards. No wells were found to contain chloroform above State Standards and this compound has not been detected previously at the site, thus the concentrations reported during the October 2003 sampling event are strongly believed to be a result of laboratory contamination and not indicative of actual site conditions.

In summary, the residual petroleum contamination is limited to the area encompassing RW-1, RW-3, MW-23, RW-10 and RW-8. A concentration map for benzene in groundwater can be found in Figure 5.

4.0 Remedial System Operation Summary

The remediation system has not operated since the system was shut-down on September 8, 2003. Operation of the remediation system was temporarily suspended to eliminate the possibility of failing the required chronic toxicity testing test as stipulated under the existing NPDES permit for the site. This was done after significant evaluation of the system operation and maintenance, the testing requirements, sampling procedures, as well as several wastewater discharge alternatives. It was determined that only suspension of system operations would eliminate the risk of chronic toxicity test failure and no practical means to avert this risk existed while the system was configured to address the combined petroleum and solvent plumes. Currently, Quantum is seeking to resume limited operation of the treatment system targeting only petroleum-contaminated groundwater by operating recovery wells RW-3, RW-8 and RW-10. It is anticipated that pumping of these wells exclusively (and not from recovery wells in the chlorinated solvent plume) will likely eliminate the potential for contaminants that might otherwise trigger a chronic-toxicity test failure from entering the treatment system. The system will then operate under a general NPDES permit appropriate for petroleum-contaminated sites (where chronic-toxicity sampling of the system effluent is not relevant). Operation of the groundwater remediation system is also necessary to draw down the water table in the vicinity of the former service station to facilitate operation of the SVE system in this area.

In addition, Quantum is pursuing remediation of the limited chlorinated solvent plume remaining at the site under a natural attenuation CAP.

5.0 Summary and Recommendations

Variations in petroleum-based groundwater contaminant concentrations occurred during the monitoring period. This is possibly due to the temporary cessation of remediation system operation. Operation of the SVE system, as well as resumption of groundwater recovery from the wells in the petroleum plume, is expected to greatly assist in the remediation of the petroleum-contaminated groundwater at the site. Sampling results indicate that the petroleum contaminated groundwater at the site remains limited to the area encompassing RW-1, RW-3, RW-8, RW-10 and MW-23.

Concentrations of chlorinated hydrocarbon compounds, including vinyl chloride, mainly decreased since the last sampling event.

Based on the results of the current semi-annual sampling event, Quantum recommends that recovery and treatment of petroleum contaminated groundwater resume when a general NPDES permit is obtained. Quantum has taken steps within the Company's power to expedite the modification of the existing NPDES permit to a general permit. Operation of the SVE system is also a high priority and should resume following receipt of the modified permit. Both of these activities should continue until concentrations of petroleum compounds reach acceptable levels.

As the concentrations of chlorinated solvents have decreased substantially as a result of the HRC® pilot study injection event, the extent of the plume is limited, and groundwater recovery in the shallow portions of the chlorinated plume is low, Quantum is pursuing a natural attenuation CAP for the remediation of the chlorinated solvent plume.

Tables

Tables

**Table 1. Well and Water Level Data
October 2004 Sampling Event
Nello Teer Quarry, Denfield St.
Durham, North Carolina**

Well #	Top of Casing Elevation ^a	Screen Interval ^b	Depth to Water ^c	Water Table Elevation ^a	Purge Volume (Gallons)
MW-1	329.50	20.0 - 35.0	13.34	316.16	43
MW-7	329.26	9.0 - 14.0	9.88	319.38	8.25
MW-9	333.65	25.0 - 40.0	NM ^d	NM	NM
MW-11	327.87	35.0 - 50.0	NM	NM	NM
MW-13	326.48	50.0 - 65.0	NM	NM	NM
MW-15i	329.53	25.0 - 40.5	NM	NM	NM
MW-17	327.59	2.5 - 12.5	NM	NM	NM
MW-18	328.43	3.0 - 13.0	NM	NM	NM
MW-20D	329.58	110.0 - 115.0	24.94	304.64	40
MW-23	331.87	25.0 - 47.0	16.28	315.59	15.5
MW-25	328.92	4.0 - 14.0	5.44	323.48	4.5
MW-25i	329.03	18.0 - 33.0	18.96	310.07	7
MW-26	328.92	3.0 - 13.0	NM	NM	NM
MW-28D	329.97	85.0 - 90.0	36.70	293.27	27
MW-29	328.89	4.0 - 14.0	NM	NM	NM
MW-29i	328.74	18.0 - 33.0	18.95	309.79	7

Measurements collected October 5, 2004.

^a surveyed elevation, referenced to mean sea level

^b feet below land surface

^c feet below top of casing

^d Not Measured

Table 2. Groundwater Sample Results Summary-Shallow Monitoring Wells
October 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	MW-7	MW-17	MW-18	MW-25	MW-25i	MW-26	MW-29	MW-29i	2L LIMITS
Benzene	BDL ^a	NS ^c	NS	BDL	BDL	NS	NS	NA	1.0
Toluene	BDL	NS	NS	BDL	BDL	NS	NS	NA	1,000.0
Ethylbenzene	BDL	NS	NS	BDL	BDL	NS	NS	NA	29.0
Xylenes (Total)	BDL	NS	NS	BDL	BDL	NS	NS	NA	530.0
2-Methylnaphthalene	NA ^b	NS	NS	NA	NA	NS	NS	NA	14.0
Naphthalene	BDL	NS	NS	BDL	BDL	NS	NS	BDL	21.0/6.0 ^d
Acenaphthene	NA	NS	NS	NA	NA	NS	NS	NA	80.0
Chloroethane	BDL	NS	NS	41.0	37.0	NS	NS	BDL	2,800.0
2-Chlorotoluene	NA	NS	NS	NA	NA	NS	NS	NA	140.0
4-Chlorotoluene	NA	NS	NS	NA	NA	NS	NS	NA	NSD ^e
1,1-Dichloroethane	BDL	NS	NS	46.0	67.0	NS	NS	18.0	700.0
1,1-Dichloroethene	BDL	NS	NS	1.6	BDL	NS	NS	1.6	7.0
1,2-Dichloroethane	BDL	NS	NS	BDL	BDL	NS	NS	BDL	0.38
cis-1,2-Dichloroethene	BDL	NS	NS	BDL	BDL	NS	NS	1.0	70.0
Trichloroethene	BDL	NS	NS	1.2	BDL	NS	NS	BDL	2.8
1,1,1-Trichloroethane	BDL	NS	NS	8.6	BDL	NS	NS	7.8	200.0
1,1,2-Trichloroethane	BDL	NS	NS	BDL	BDL	NS	NS	BDL	1.0
Tetrachloroethene	BDL	NS	NS	BDL	BDL	NS	NS	BDL	0.70
Vinyl chloride	BDL	NS	NS	15.0 ^f	20.0	NS	NS	9.4	0.015
Total CVOCS	--	--	--	113.4	124.0	--	--	--	--

All Values in µg/L.

^a BDL Indicates Below Detection Limit.

^b NA Indicates Parameter Not Included in Analyses.

^c NS Indicates Not Sampled.

^d Proposed Standard of 6.0 µg/l.

^e NSD Indicates No Standard Exists for this Compound.

^f Bold Text Indicates Concentration in Excess of State Standard.

Quantum Project No. 0013-94-012

Table 2, cont.

Groundwater Sample Results Summary-Shallow Recovery Wells
October 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	RW-5	RW-6	RW-7	RW-10	2L LIMITS
Benzene	NS ^a	NS	NS	BDL ^b	1.00
Toluene	NS	NS	NS	BDL	1,000.0
Ethylbenzene	NS	NS	NS	27.0	29.0
Xylenes (Total)	NS	NS	NS	40.0	530.0
Naphthalene	NS	NS	NS	180.0 ^c	21.0/6.0 ^d
Acenaphthene	NS	NS	NS	130.0	80.0
1-Methylnaphthalene	NS	NS	NS	82.0	NSD ^e
2-Methylnaphthalene	NS	NS	NS	82.0	14.0
Bromomethane	NS	NS	NS	BDL	1.0
Chloroform	NS	NS	NS	BDL	0.19
Chloroethane	NS	NS	NS	BDL	2,800.0
1,1-Dichloroethane	NS	NS	NS	BDL	700
1,1-Dichloroethene	NS	NS	NS	BDL	7.0
cis-1,2-Dichloroethene	NS	NS	NS	BDL	70.0
Trichloroethene	NS	NS	NS	BDL	2.80
1,1,1-Trichloroethane	NS	NS	NS	BDL	200.0
1,1,2-Trichloroethane	NS	NS	NS	BDL	1.00
Tetrachloroethene	NS	NS	NS	BDL	0.70
Vinyl Chloride	NS	NS	NS	BDL	0.015
Total CVOCs	--	--	--	--	--

All Values in $\mu\text{g/L}$.

^a NS Indicates Not Sampled.

^b BDL Indicates Below Detection Limit.

^c Bold Text Indicates Concentration In Excess of State Standard.

^d Proposed Standard of 6.0 $\mu\text{g/L}$.

^e NSD Indicates No Standard Currently Exists for Compound.

Quantum Project No. 0013-94-012

Table 3. Groundwater Sample Results Summary-Deep Monitoring Wells
October 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	MW-1	MW-9	MW-11	MW-13	MW-15i	MW-20D	MW-23	MW-28D	2L LIMITS
Benzene	BDL ^a	NS ^b	NS	NS	NS	BDL	12.0 ^c	NA ^d	1.0
Toluene	BDL	NS	NS	NS	NS	BDL	BDL	NA	1000.0
Ethylbenzene	BDL	NS	NS	NS	NS	BDL	6.4	NA	29.0
Xylenes (Total)	BDL	NS	NS	NS	NS	BDL	10.9	NA	530.0
Acenaphthene	NA	NS	NS	NS	NS	NA	19.0	NA	80.0
1-Methylnaphthalene	NA	NS	NS	NS	NS	NA	16.0	NA	NSD ^e
2-Methylnaphthalene	NA	NS	NS	NS	NS	NA	5.0	NA	14.0
Isopropylbenzene	NA	NS	NS	NS	NS	NA	NA	NA	70.0
n-Propylbenzene	NA	NS	NS	NS	NS	NA	NA	NA	70.0
n-Butylbenzene	NA	NS	NS	NS	NS	NA	NA	NA	70.0
sec-Butylbenzene	NA	NS	NS	NS	NS	NA	NA	NA	70.0
DIPE	BDL	NS	NS	NS	NS	NA	8.9	NA	70.0
Naphthalene	BDL	NS	NS	NS	NS	BDL	11.0	BDL	21.0/6.0 ^f
1,1-Dichloroethane	BDL	NS	NS	NS	NS	BDL	BDL	7.2	700.0
1,1-Dichloroethene	BDL	NS	NS	NS	NS	BDL	BDL	1.1	7.0
cis-1,2-Dichloroethene	BDL	NS	NS	NS	NS	BDL	BDL	BDL	70.0
Trichloroethene	BDL	NS	NS	NS	NS	BDL	BDL	BDL	2.8
1,1,1-Trichloroethane	BDL	NS	NS	NS	NS	BDL	BDL	BDL	200.0
Tetrachloroethene	BDL	NS	NS	NS	NS	BDL	BDL	BDL	0.7
Vinyl Chloride	BDL	NS	NS	NS	NS	BDL	BDL	BDL	0.015
Total CVOCs	--	--	--	--	--	--	--	8.3	--

All Values in µg/L.

^a BDL Indicates Below Detection Limit.

^b NS Indicates Not Sampled.

^c Bold Text Indicates Concentration In Excess of State Standard.

^d NA Indicates Compound Parameter Not Included in Analysis.

^e NSD Indicates No Standard Exists for this Compound.

^f Proposed Standard of 6.0 µg/l.

Quantum Project No. 0013-94-012

Table 3, cont.

Groundwater Sample Results Summary-Deep Recovery Wells
October 2004 Sampling Event
Nello Teer Quarry, Denfield Street
Durham, North Carolina

PARAMETER	RW-1	RW-2	RW-3	RW-4	RW-8	RW-9	2L LIMITS
Benzene	4.6^a	NS ^b	61.0	NS	22.0	NS	1.0
Toluene	BDL ^c	NS	BDL	NS	BDL	NS	1,000.0
Ethylbenzene	BDL	NS	72.0	NS	11.0	NS	29.0
Xylenes (Total)	BDL	NS	170.0	NS	14.0	NS	530.0
Lead	NA	NS	NA	NS	NA	NS	15.0
MTBE	NA	NS	BDL	NS	BDL	NS	200.0
DIPE	8.4	NS	BDL	NS	.0	NS	70.0
Acenaphthene	1.7	NA	740.0	NA	25.0	NS	80.0
Naphthalene	BDL	NS	51.0	NS	79.0	NS	21.0/6.0 ^d
Phenanthrene	BDL	NS	BDL	NS	BDL	NS	210.0
1,2,4-Trimethylbenzene	NA	NS	NA	NS	NA	NS	350.0
1-Methylnaphthalene	1.2	NS	190.0	NS	18.0	NS	NSD ^e
2-Methylnaphthalene	BDL	NS	190.0	NS	8.2	NS	14.0
Chloroethane	BDL	NS	BDL	NS	BDL	NS	2800.0
1,1-Dichloroethene	BDL	NS	BDL	NS	BDL	NS	70.0
cis-1,2-Dichloroethene	1.4	NS	BDL	NS	BDL	NS	70.0
Trichloroethene	3.2	NS	BDL	NS	BDL	NS	2.8
1,1,1-Trichloroethane	BDL	NS	BDL	NS	BDL	NS	200.0
Vinyl chloride	BDL	NS	BDL	NS	BDL	NS	0.015
Total CVOCs	4.6	--	--	--	--	--	--

All Values in µg/L.

^a Bold Text Indicates Concentration Above State Standard.

^b NS Indicates Well was Not Sampled.

^c BDL Indicates Below Detection Limit.

^d Proposed Standard of 6.0 µg/l.

^e NSD Indicates No Standard Exists for this Compound.

Quantum Project No. 0013-94-012

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date				2L Standard
	5/7/1993	5/7/1993	5/20/1993	5/20/1993	
Benzene	16.00	38.80	34.40	11.30	1.00
Toluene	0.90	1.00	1.80	2.60	1000.00
Ethylbenzene	0.40	1.00	1.00	8.80	29.00
Xylenes	5.10	15.40	17.20	NA	530.00
Naphthalene	NA	NA	2.00	NA	21.00
MTBE	NA	51.60	11.80	BDL	200.00
EDB	NA	NA	BDL	BDL	0.0004
IPE	NA	NA	NA	BDL	70.00
Total PAH	22.40	107.80	68.20	22.70	
1,1-Dichloroethane	NA	0.73	0.73	BDL	700.00
Trichloroethene	NA	4.70	5.04	BDL	2.80
cis-,1,2-Dichloroethylene	NA	NA	NA	NA	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVCOCs	0.00	5.43	5.77	0.00	
Lead	NA	NA	1.00	NA	15.00

Constituent	Date		2L Standard
	5/18/1993		
Benzene	BDL		1.00
Toluene	BDL		1000.00
Ethylbenzene	BDL		29.00
Xylenes	BDL		530.00
Naphthalene	BDL		21.00
MTBE	BDL		200.00
EDB	BDL		0.0004
IPE	BDL		70.00
Total PAH	0.00		
1,1-Dichloroethane	BDL		700.00
Trichloroethene	BDL		2.80
cis-,1,2-Dichloroethylene	NA		70.00
Vinyl Chloride	BDL		0.015
Total CVCOCs	0.00		
Lead	0.50		15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

W-3		
Constituent	Date	2L Standard
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	0.90	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	0.0004
IPE	BDL	70.00
Total PAH	0.90	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-1,2-Dichloroethylene	NA	70.00
Vinyl Chloride	BDL	0.015
Total CVCs	0.00	
Lead	0.50	15.00

W-4		
Constituent	Date	2L Standard
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	0.0004
IPE	BDL	70.00
Total PAH	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-1,2-Dichloroethylene	NA	70.00
Vinyl Chloride	BDL	0.015
Total CVCs	0.00	
Lead	BDL	15.00

W-5			
Constituent	Date	2L Standard	
	5/20/1993	5/20/1993	5/20/1993
Benzene	BDL	BDL	BDL
Toluene	0.07	BDL	BDL
Ethylbenzene	BDL	BDL	BDL
Xylenes	BDL	BDL	NA
Naphthalene	BDL	2.00	NA
MTBE	BDL	BDL	BDL
EDB	BDL	1.00	BDL
IPE	BDL	NA	BDL
Total PAH	0.07	3.00	0.00
1,1-Dichloroethane	BDL	1.00	BDL
Trichloroethene	BDL	2.10	BDL
cis-1,2-Dichloroethylene	NA	NA	NA
Vinyl Chloride	BDL	1.00	BDL
Total CVCs	4.10	0.00	
Lead	0.20	1.00	BDL

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-1

Constituent	Date															2L Standard	
	05/20/93	8/29/1994	1/26/1995	4/27/1995	8/29/1995	3/14/1996	10/11/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/4/2002	9/12/2002	4/15/2003	10/17/2003	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	1.00
Toluene	0.70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	21.00
MTBE	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NS	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	NA	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	0.015
Total CVOCS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lead	<0.05	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NA	NA	NA	NA	15.00

MW-1, cont.

Constituent	Date															2L Standard	
	04/23/04	10/06/04															
Benzene	BDL	BDL															1.00
Toluene	BDL	BDL															1000.00
Ethylbenzene	BDL	BDL															29.00
Xylenes	BDL	BDL															530.00
Naphthalene	BDL	BDL															21.00
MTBE	BDL	BDL															200.00
EDB	BDL	BDL															0.0004
IPE	BDL	BDL															70.00
Total VOCs	0.00	0.00															
1,1-Dichloroethane	BDL	BDL															700.00
Trichloroethene	BDL	BDL															2.80
cis-,1,2-Dichloroethylene	BDL	BDL															70.00
Vinyl Chloride	BDL	BDL															0.015
Total CVOCS	0.00	0.00															
Lead	BDL	NA															15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

RW-2 (former MW-2)

Constituent	Date										2L Standard
	05/07/93	05/20/93	08/29/94	08/29/99	06/15/00	01/23/01	06/15/01	12/28/01	06/06/02	06/06/02	
Benzene	575.00	353.00	95.00	6.80	BDL	1.60	NS	BDL	BDL	BDL	1.00
Toluene	1,160.00	418.00	19.00	BDL	1.70	BDL	NS	BDL	BDL	BDL	1000.00
Ethylbenzene	84.40	BDL	62.00	BDL	1.00	2.40	NS	BDL	BDL	BDL	29.00
Xylenes	1,425.00	106.00	61.00	BDL	13.00	1.10	NS	BDL	BDL	BDL	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	NS	NS	NS	BDL	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	NS	3.00	BDL	BDL	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	NS	NS	NS	NA	0.0004
IPE	NA	BDL	NA	BDL	BDL	BDL	NS	NS	BDL	BDL	70.00
Total VOCs	2,200.40	877.00	239.78	6.80	15.70	5.10	NS	3.00	0.00	0.00	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	NA	700.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	NA	2.80
cis-1,2-Dichloroethylene	NA	NA	90.00	BDL	6.50	2.60	NS	NS	BDL	NA	70.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	NS	NS	BDL	NA	0.015
Total CVOCs	0.00	0.00	90.00	0.00	6.50	2.60					
Lead	<0.05	0.20	NA	NA	NA	NS	NS	NS	NS	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-3						MW-4					
Constituent	Date				2L Standard	Constituent	Date				2L Standard
	05/21/93	08/29/94	01/26/95	04/27/95		Benzene	05/18/93	BDL	1.00		
Benzene	BDL	BDL	BDL	BDL	1.00	Toluene		0.70	1000.00		
Toluene	BDL	BDL	BDL	BDL	1000.00	Ethylbenzene		BDL	29.00		
Ethylbenzene	BDL	BDL	BDL	BDL	29.00	Xylenes		BDL	530.00		
Xylenes	BDL	BDL	BDL	BDL	530.00	Naphthalene		BDL	21.00		
Naphthalene	BDL	BDL	BDL	BDL	21.00	MTBE		BDL	200.00		
MTBE	BDL	BDL	BDL	NA	200.00	EDB		BDL	0.0004		
EDB	BDL	NA	NA	NA	0.0004	IPE		BDL	70.00		
IPE	BDL	NA	NA	NA	70.00	Total VOCs		0.00			
Total VOCs	0.00	0.00	0.00	0.00		1,1-Dichloroethane		BDL	700.00		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00	Trichloroethene		BDL	2.80		
Trichloroethene	BDL	BDL	BDL	BDL	2.80	cis-1,2-Dichloroethylene		BDL	70.00		
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00	Vinyl Chloride		BDL	0.015		
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015	Total CVOCs		0.00	NA		
Total CVOCs	0.00	0.00	0.00	0.00		Lead		0.50	15.00		
Lead	0.056	NA	NA	NA	15.00						
MW-5						MW-6					
Constituent	Date		2L Standard		Constituent	Date		2L Standard		Constituent	2L Standard
	05/07/93	05/20/93			05/21/93						
Benzene	BDL	BDL	1.00		Benzene	BDL	1.00				
Toluene	BDL	BDL	1000.00		Toluene	BDL	1000.00				
Ethylbenzene	BDL	BDL	29.00		Ethylbenzene	BDL	29.00				
Xylenes	BDL	BDL	530.00		Xylenes	BDL	530.00				
Naphthalene	NA	BDL	21.00		Naphthalene	BDL	21.00				
MTBE	NA	BDL	200.00		MTBE	BDL	200.00				
EDB	NA	BDL	0.0004		EDB	BDL	0.0004				
IPE	NA	BDL	70.00		IPE	BDL	70.00				
Total VOCs	0.00	0.00			Total VOCs	0.00					
1,1-Dichloroethane	NA	BDL	700.00		1,1-Dichloroethane	BDL	700.00				
Trichloroethene	NA	BDL	2.80		Trichloroethene	BDL	2.80				
cis-1,2-Dichloroethylene	NA	BDL	70.00		cis-1,2-Dichloroethylene	BDL	70.00				
Vinyl Chloride	NA	BDL	0.015		Vinyl Chloride	BDL	0.015				
Total CVOCs	0.00	0.00			Total CVOCs	0.00					
Lead	NA	0.07	15.00		Lead	0.03	15.00				

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-7																
Constituent	Date															2L Standard
	05/21/93	08/29/94	01/26/95	8/29/1995	4/27/1995	3/14/1996	10/11/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/4/2002	09/12/02	04/15/03	10/17/03
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.1	NA	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NA	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	NA	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	0.015
Total CVOCS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

MW-7, cont.																
Constituent	Date															2L Standard
	04/23/04	10/05/04														
Benzene	BDL	BDL														1.00
Toluene	BDL	BDL														1000.00
Ethylbenzene	BDL	BDL														29.00
Xylenes	BDL	BDL														530.00
Naphthalene	BDL	BDL														21.00
MTBE	BDL	BDL														200.00
EDB	NA	NA														0.0004
IPE	BDL	BDL														70.00
Total VOCs	0.00	0.00														
1,1-Dichloroethane	BDL	BDL														700.00
Trichloroethene	BDL	BDL														2.80
cis-,1,2-Dichloroethylene	BDL	BDL														70.00
Vinyl Chloride	BDL	BDL														0.015
Total CVOCS	0.00	0.00														
Lead	BDL	NA														15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
Nello Teer Quarry
Durham County

MW-8	Date	2L Standard
	Constituent	05/19/93
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	BDL	0.0004
IPE	BDL	70.00
Total VOCs	0.00	
1,1-Dichloroethane	BDL	700.00
Trichloroethene	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	70.00
Vinyl Chloride	BDL	0.015
Total CVOCS	0.00	
Lead	<0.05	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-9

Constituent	Date									2L Standard
	9/9/1993	8/30/1994	1/25/1995	4/27/1995	6/4/2002	9/12/2002	4/15/2003	10/17/2003	4/23/2004	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	1.30	BDL	BDL	NA	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date														2L Standard		
	9/9/1993	8/30/1994	1/26/1995	4/27/1995	8/29/1995	3/13/1996	10/9/1996	12/3/1997	5/13/1998	6/17/1999	12/10/1999	6/4/2002	9/12/2002	4/15/2003	10/17/2003	4/23/2004	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1.00	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1000.00	
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	29.00	
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	530.00	
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	21.00	
MTBE	BDL	NA	NA	NA	BDL	NA	NA	1.30	BDL	BDL	BDL	NA	NA	BDL	BDL	200.00	
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	NA	0.0004	
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	NA	NA	BDL	BDL	70.00	
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.00	NA	NA	0.00	0.00		
1,1-Dichloroethane	0.60	BDL	BDL	BDL	BDL	2.40	BDL	3.00	2.20	1.00	BDL	BDL	BDL	BDL	4.90	1.20	700.00
Trichloroethene	BDL	BDL	2.50	1.80	BDL	1.60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80	
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	22.90	BDL	BDL	NA	BDL	BDL	70.00							
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015	
Total CVOCS	0.60	0.00	2.50	24.70	0.00	4.00	0.00	3.00	2.20	1.00	0.00	0.00	0.00	0.00	4.90	1.20	
Lead	<0.05	NA	NA	NA	NA	NA	15.00										

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-12

Constituent	Date				2L Standard
	9/9/1993	8/30/1994	1/26/1995	4/27/1995	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	200.00
EDB	BDL	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-13

Constituent	Date														2L Standard	
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	8/29/1995	3/14/1996	10/9/1996	12/3/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/13/2001	12/28/2001	6/4/2002	
Benzene	BDL	3.10	BDL	BDL	1.13	3.40	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	2.83	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	2.63	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	3.20	2.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	0.0004
IPE	BDL	NA	NA	NA	23.10	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	0.00	29.69	3.40	0.00	4.20	2.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	4.40	6.00	7.90	13.20	2.06	2.40	2.67	11.00	7.90	3.30	6.4	3.7	5.2	4	4.90	2.90
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	3.80	BDL	2.70	BDL	BDL	2.2	BDL	BDL	BDL	BDL	BDL	200.00
Trichloroethene	BDL	5.10	BDL	4.10	BDL	2.90	3.02	2.40	BDL	2.40	2.8	BDL	1.30	1.40	1.50	BDL
1,1-Dichloroethene	BDL	BDL	2.30	BDL	3.00	BDL	2.50	1.70	1.70	4.2	2.2	3.8	1	BDL	1.50	7.00
cis-,1,2-Dichloroethylene	BDL	3.40	BDL	3.40	2.48	4.10	BDL	BDL	2.70	2.2	2.3	2.1	2.1	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	1.40	BDL	BDL	1.20	BDL	BDL	BDL	1.20	1.00	BDL	BDL	0.015
Total CVOCs	4.40	14.50	7.90	23.00	57.33	21.00	5.69	18.60	10.80	10.10	17.80	8.20	13.60	9.50	6.40	4.40
Lead	<0.05	NA	NA	NA	NA	NA	15.00									

MW-13, cont.

Constituent	Date			2L Standard
	4/16/2003	10/16/2003	4/22/2004	
Benzene	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	NA	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	0.0004
IPE	BDL	BDL	4.50	70.00
Total VOCs	0.00	0.00	4.50	
1,1-Dichloroethane	5.90	4.50	3.40	700.00
1,1,1-Trichloroethane	BDL	BDL	BDL	200.00
Trichloroethene	BDL	BDL	BDL	2.80
1,1-Dichloroethene	4.10	1.60	BDL	7.00
cis-,1,2-Dichloroethylene	BDL	1.60	1.40	70.00
Vinyl Chloride	BDL	BDL	BDL	0.015
Total CVOCs	10.00	7.70	4.80	
Lead	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-14s										
Constituent	Date									2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	8/30/1995	3/15/1996	10/9/1996	12/2/1997	5/13/1998	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	1.17	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	2.10	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	507.00	BDL	BDL	4.10	2.20	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	507.00	0.00	3.27	4.10	2.20	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	3.27	0.00	0.00	
Lead	<0.05	NA	15.00							

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-14i

Constituent	Date											2L Standard	
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	3/15/1996	10/9/1996	12/3/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/15/2001	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	NS	BDL	200.00
EDB	BDL	NA	BDL	BDL	NS	BDL	0.0004						
IPE	BDL	NA	BDL	BDL	NS	BDL	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	NS	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NS	NS	
Lead	<0.05	NA	NS	NS	15.00								

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-15i

Constituent	Date															2L Standard	
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	8/30/1995	3/15/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	6/15/2001	6/4/2002	9/12/2002	4/15/2003	
Benzene	BDL	BDL	BDL	BDL	2.16	BDL	BDL	BDL	1.30	4.80	2.5	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	2.70	3.40	1.90	BDL	BDL	BDL	BDL	1.20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	3.60	9.00	BDL	BDL	BDL	BDL	BDL	1.90	4.4	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.20	BDL	BDL	BDL	BDL	NA	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	44.60	BDL	BDL	12.00	13.00	BDL	6.1	BDL	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	5.70	NA	NA	NA	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	70.00
Total VOCs	BDL	6.30	12.40	1.90	52.46	0.00	0.00	12.00	15.20	8.90	10.50	0.00	0.00	0.00	0.00	0.00	0.00
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	NA	NA	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NS	BDL	NA	0.00	
Lead	<0.05	NA	NA	NS	NA	NA	NA	15.00									

MW-15i, cont.

Constituent	Date															2L Standard	
	10/17/2003	4/23/2004															
Benzene	BDL	BDL															1.00
Toluene	BDL	BDL															1000.00
Ethylbenzene	BDL	BDL															29.00
Xylenes	BDL	BDL															530.00
Naphthalene	BDL	BDL															21.00
MTBE	BDL	BDL															200.00
EDB	NA	NA															0.0004
IPE	BDL	BDL															70.00
Total VOCs	0.00	0.00															
1,1-Dichloroethane	BDL	BDL															700.00
Trichloroethene	BDL	BDL															2.80
cis-,1,2-Dichloroethylene	BDL	BDL															70.00
Vinyl Chloride	BDL	BDL															0.015
Total CVOCs	0.00	0.00															
Lead	NA	BDL															15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date					2L Standard
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	8/30/1995	
Benzene	10.70	17.50	BDL	BDL	BDL	1.00
Toluene	8.80	2.60	BDL	BDL	BDL	1000.00
Ethylbenzene	76.40	147.00	43.00	56.30	77.70	29.00
Xylenes	NA	430.00	170.00	188.00	205.00	530.00
Naphthalene	13.00	63.30	60.90	53.40	27.60	21.00
MTBE	8.30	NA	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	0.0004
IPE	BDL	NA	NA	NA	BDL	70.00
Total VOCs	117.20	660.40	273.90	297.70	310.30	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l

Nello Teer Quarry
 Durham County

MW-16s

Constituent	Date						2L Standard
	9/9/1993	8/30/1994	1/25/1995	4/27/1995	3/14/1996	10/9/1996	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	BDL	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l

Nello Teer Quarry
 Durham County

MW-16i

Constituent	Date										2L Standard
	9/9/1993	8/31/1994	1/26/1995	4/27/1995	3/14/1996	10/9/1996	12/1/1997	5/13/1998	6/17/1999	12/10/1999	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	200.00
EDB	BDL	NA	BDL	BDL	0.0004						
IPE	BDL	NA	BDL	BDL	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCS	0.00	0.00	0.00	0.00	0.00	0.00	1.1	0.00	0.00	0.00	
Lead	<0.05	NA	15.00								

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-17

Constituent	Date														2L Standard		
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	8/29/1995	3/13/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	6/15/2001	12/28/2001	6/4/2002		
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1.00	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	1000.00	
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	29.00	
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	530.00	
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	21.00	
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	200.00	
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	NA	NA	NA	NA	0.0004	
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	NA	NA	BDL	BDL	70.00	
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	17.10	BDL	15.50	23.30	23.40	10.40	9.33	7.40	7.20	6.00	7.3	2.6	1.9	1.9	3.90	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80	
1,1-Dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.00	
cis-,1,2-Dichloroethylene	BDL	BDL	3.80	2.10	2.92	1.30	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	70.00	
Vinyl Chloride	2.20	38.90	63.00	BDL	23.40	35.30	21.70	BDL	2.60	5.00	5.7	1.70	2.50	2.00	3.20	BDL	0.015
Total CVOCs	19.30	38.90	82.30	25.40	49.72	47.00	31.03	7.40	9.80	12.00	13.00	4.30	4.40	3.90	7.10	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	15.00										

MW-17, cont.

Constituent	Date			2L Standard
	4/15/2003	10/17/2003	4/23/2004	
Benzene	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	70.00
Total VOCs	0.00	0.00	0.00	
1,1-Dichloroethane	6.20	3.10	2.60	700.00
Trichloroethene	BDL	BDL	BDL	2.80
1,1-Dichloroethene	1.3	BDL	BDL	7.00
cis-,1,2-Dichloroethylene	NA	BDL	BDL	70.00
Vinyl Chloride	1.50	BDL	BDL	0.015
Total CVOCs	9.00	3.10	2.60	
Lead	NA	NA	BDL	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l

Nello Teer Quarry
Durham County

MW-18

Constituent	Date														2L Standard	
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	8/29/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	6/15/2001	1/2/2002	6/4/2002	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA 1.00
Toluene	1.30	BDL	BDL	NA	NA	BDL	NA 1000.00									
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA 29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA 530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA 21.00
MTBE	BDL	NA	NA	NA	BDL	BDL	NA	NA	BDL	NA 200.00						
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA 70.00
Total VOCs	1.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	NA	NA	BDL	BDL
1,1-Dichloroethane	48.10	BDL	BDL	97.90	71.30	5.80	10.60	12.00	1.50	BDL	1.40	BDL	2.30	1.90	1.90	BDL 700.00
1,2-Dichloroethane	BDL	BDL	27.00	BDL	BDL	BDL	BDL	BDL	BDL 0.38							
1,1-Dichloroethene	BDL	BDL	3.90	BDL	1.93	BDL	BDL	1.70	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL 7.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL 2.80
cis-1,2-Dichloroethylene	NA	BDL	4.80	1.40	3.73	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	2.50	BDL	BDL 70.00
Vinyl Chloride	10.90	BDL	50.00	BDL	68.90	16.30	10.90	8.10	2.30	BDL	3.80	BDL	4.70	1.60	2.20	BDL 0.015
Chloroethane	BDL	BDL	50.00	BDL	59.00	9.50	BDL	1.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL 2800.00
Total CVOCs	59.00	0.00	135.70	99.30	194.86	31.60	21.50	23.10	3.80	0.00	5.20	0.00	10.40	6.00	4.10	0.00
Lead	<0.05	NA	NA	NA	NA	NA	15.00									

MW-18, cont.

Constituent	Date										2L Standard
	2/13/2003	9/12/2002	2/13/2003	3/21/2003	4/15/2003	5/20/2003	7/24/2003	10/17/2003	1/14/2004	4/28/2004	
Benzene	NA	BDL	NA	BDL	1.00						
Toluene	NA	BDL	NA	BDL	1000.00						
Ethylbenzene	NA	BDL	NA	BDL	29.00						
Xylenes	NA	BDL	NA	BDL	530.00						
Naphthalene	NA	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	21.00
MTBE	NA	BDL	NA	BDL	200.00						
EDB	NA	NA	NA	0.0004							
IPE	NA	BDL	NA	BDL	70.00						
Total VOCs	BDL	BDL	0.00								
1,1-Dichloroethane	BDL	BDL	BDL	700.00							
1,2-Dichloroethane	BDL	BDL	BDL	0.38							
1,1-Dichloroethene	BDL	BDL	BDL	7.00							
Trichloroethene	BDL	BDL	BDL	2.80							
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	0.015							
Chloroethane	BDL	BDL	BDL	1.00							
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2800.00
Lead	NA	NA	BDL	15.00							

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l

Nello Teer Quarry
Durham County

MW-19

Constituent	Date								2L Standard
	9/9/1993	8/30/1994	1/31/1995	4/27/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	
Benzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	NA	NA	BDL	BDL	200.00
EDB	BDL	NA	0.0004						
IPE	BDL	NA	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	15.00						

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date						2L Standard
	9/9/1993	8/30/1994	1/25/1995	4/27/1995	8/30/1995	3/14/1996	
Benzene	15.00	64.40	44.00	71.80	64.40	64.90	1.00
Toluene	1.80	9.50	6.20	BDL	26.00	2.40	1000.00
Ethylbenzene	BDL	16.38	7.00	14.60	25.30	5.90	29.00
Xylenes	BDL	21.00	16.70	20.60	80.70	17.00	530.00
Naphthalene	BDL	3.84	3.29	4.90	BDL	4.50	21.00
MTBE	7.30	BDL	BDL	BDL	9.69	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	0.0004
IPE	14.20	NA	NA	NA	50.00	NA	70.00
Total VOCs	38.30	115.12	77.19	111.90	256.09	94.70	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-20d

Constituent	Date														2L Standard			
	9/9/1993	8/31/1994	1/25/1995	4/27/1995	8/30/1995	3/15/1996	10/11/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/14/2001	1/2/2002	6/4/2002			
Benzene	15.00	30.00	22.00	29.80	30.30	20.00	21.60	16.00	13.00	12.30	1.80	1.50	BDL	1.80	2.60	2.50	1.00	
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00	
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00	
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00	
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	21.00	
MTBE	6.20	NA	NA	NA	BDL	NA	NA	5.70	4.30	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00	
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	0.0004	
IPE	14.20	NA	NA	NA	26.60	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	5.30	6.10	
Total VOCs	35.40	30.00	22.00	29.80	56.90	20.00	21.60	26.20	17.30	12.30	1.80	1.50	0.00	1.80	7.90	8.60	70.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00	
Trichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80	
cis-1,2-Dichloroethylene	BDL	8.00	BDL	5.20	5.47	4.00	BDL	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	70.00	
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	4.30	BDL	1.70	3.20	3.00	BDL	BDL	BDL	1.20	2.30	3.20	2.80	0.015
Total CVOCs	0.00	8.00	0.00	5.20	5.47	8.30	0.00	1.70	3.20	4.10	0.00	0.00	1.20	2.30	3.20	2.80		
Lead	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00	

MW-20d, cont.

Constituent	Date				2L Standard
	4/16/2003	10/16/2003	4/27/2004	10/5/2004	
Benzene	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	2.10	BDL	70.00
Total VOCs	0.00	0.00	2.10	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-1,2-Dichloroethylene	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	NA	NA	BDL	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date					2L Standard
	9/9/1993	8/30/1994	1/26/1995	4/27/1995	3/15/1996	
Benzene	BDL	BDL	BDL	BDL	BDL	1.00
Toluene	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	NA	NA	NA	BDL	200.00
EDB	BDL	NA	NA	NA	NA	0.0004
IPE	BDL	NA	NA	NA	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	0.00	
Lead	<0.05	NA	NA	NA	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-22

Constituent	Date											2L Standard	
	4/28/1994	8/30/1994	1/25/1995	4/27/1995	8/30/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	
Benzene	9.40	BDL	NS	1.00									
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	29.00
Xylenes	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	21.00
MTBE	BDL	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	NS	0.0004
IPE	8.00	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	NS	70.00
Total VOCs	17.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
1,1-Dichloroethane	NA	BDL	NS	700.00									
Trichloroethene	NA	BDL	NS	2.80									
cis-,1,2-Dichloroethylene	NA	BDL	NS	70.00									
Vinyl Chloride	NA	BDL	NS	0.015									
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Lead	<0.005	NA	NS	15.00									

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-23

Constituent	Date															2L Standard	
	4/28/1994	8/30/1994	1/26/1995	4/27/1995	8/30/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	12/7/2000	6/13/2001	12/28/2002	6/4/2002	9/12/2002	
Benzene	21.00	68.40	36.00	67.90	58.90	56.40	69.70	42.00	23.00	37.10	14.3	28	11.6	37	5.30	4.30	1.00
Toluene	BDL	13.00	BDL	14.50	18.60	9.90	4.52	BDL	6.70	7.50	1.9	1.8	1.5	4.6	BDL	BDL	1000.00
Ethylbenzene	BDL	46.50	14.00	40.40	30.70	14.90	11.30	BDL	9.60	19.10	2.3	16.7	BDL	38.9	2.40	BDL	29.00
Xylenes	BDL	100.00	40.00	95.30	77.30	24.70	35.50	41.00	40.00	39.60	18	6.6	BDL	30.6	4.50	BDL	530.00
Naphthalene	BDL	33.70	42.50	42.90	19.10	32.00	11.70	BDL	9.10	12.00	BDL	BDL	BDL	24.70	NA	2.50	6.00
MTBE	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	5.40	BDL	8.8	3.00	NA	7.20	BDL	BDL	200.00
EDB	BDL	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	0.0004
IPE	15.00	NA	NA	NA	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	9.80	BDL	70.00
Total VOCs	36.00	216.60	132.50	261.00	204.60	137.90	132.72	83.00	93.80	115.30	45.30	47.10	13.00	143.00	22.00	6.80	
Acenaphthene	NA	NA	NA	NA	NA	NA	80.00										
Fluorene	NA	NA	NA	NA	NA	NA	280.00										
Phenanthrene	NA	NA	NA	NA	NA	NA	210.00										
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NS										
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	3.00										
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	BDL	BDL	700.00									
1,2-Dichloroethane	NA	BDL	1.30	BDL	1.00	1.30	BDL	BDL	BDL	0.38							
Trichloroethene	NA	BDL	BDL	BDL	BDL	BDL	BDL	2.80									
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	BDL	BDL	BDL	70.00									
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	BDL	0.015									
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	1.00	1.30	0.00	0.00	0.00	
Lead	<0.005	NA	NA	NA	NA	NA	NA	15.00									

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-23, cont.

Constituent	Date				2L Standard
	4/15/2003	10/17/2003	4/23/2004	10/5/2004	
Benzene	15.00	8.30	11.00	12.00	1.00
Toluene	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	4.60	1.60	3.60	6.40	29.00
Xylenes	8.50	3.20	5.90	10.90	530.00
Naphthalene	5.00	7.50	9.40	11.00	6.00
MTBE	BDL	BDL	BDL	BDL	200.00
EDB	NA	NA	NA	NA	0.0004
IPE	18.00	6.70	7.50	8.90	70.00
Total VOCs	51.10	27.30	37.40	49.20	
Acenaphthene	1.20	1.60	BDL	19.00	80.00
Fluorene	1.80	2.10	BDL	BDL	280.00
1,2,4-Trimethylbenzene	NA	NA	1.30	NA	
Isopropylbenzene	NA	NA	7.10	NA	
n-Propylbenzene	NA	NA	9.80	NA	
n-Butylbenzene	NA	NA	1.10	NA	
sec-Butylbenzene	NA	NA	2.60	NA	
Phenanthrene	1.60	1.60	BDL	BDL	210.00
1-Methylnaphthalene	1.60	17.00	BDL	16.00	NS
2-Methylnaphthalene	1.60	BDL	BDL	5.00	14.00
1,1-Dichloroethane	BDL	BDL	BDL	BDL	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	0.38
Trichloroethene	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	NA	BDL	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	0.00	0.00	0.00	
Lead	NA	NA	BDL	NA	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-24

Constituent	Date										2L Standard
	4/28/1994	8/30/1994	1/31/1995	4/27/1995	3/15/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	
Benzene	BDL	2.60	BDL	BDL	1.00						
Toluene	BDL	6.00	BDL	BDL	1000.00						
Ethylbenzene	BDL	29.00									
Xylenes	BDL	4.80	BDL	BDL	530.00						
Naphthalene	BDL	21.00									
MTBE	BDL	NA	NA	NA	NA	NA	1.20	1.80	BDL	BDL	200.00
EDB	BDL	NA	BDL	BDL	0.0004						
IPE	BDL	NA	BDL	BDL	70.00						
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	1.20	15.20	0.00	0.00	
1,1-Dichloroethane	NA	BDL	700.00								
Trichloroethene	NA	BDL	2.80								
cis-,1,2-Dichloroethylene	NA	BDL	70.00								
Vinyl Chloride	NA	BDL	0.015								
Total CVOCs	0.00	0.00	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00	
Lead	<0.005	NA	15.00								

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-25

Constituent	Date														2L Standard	
	8/30/1994	1/31/1995	4/27/1995	8/29/1995	3/14/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/8/2000	12/7/2000	6/15/2001	12/28/2001	6/4/2002	
Benzene	BDL	BDL	BDL	NA	NA	BDL	BDL 1.00									
Toluene	BDL	BDL	BDL	336.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL 1000.00
Ethylbenzene	BDL	BDL	BDL	NA	NA	BDL	BDL 29.00									
Xylenes	BDL	BDL	BDL	NA	NA	BDL	BDL 530.00									
Naphthalene	BDL	BDL	2.2	BDL	BDL	BDL	NA	NA	BDL	BDL 21.00						
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL 200.00
EDB	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA 0.004
IPE	NA	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL 70.00
Total VOCs	0.0	0.0	2.2	336.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	0.0	0.0
2-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA 14.00									
1,1-Dichloroethane	840.0	690.0	632.0	1100.0	262.0	259.0	350.0	240.0	282.0	185.0	110.0	156.0	160.0	200.0	150.00	180.00 700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	7.6	BDL	7.5	BDL	1.3	2.0	BDL	3.0	BDL	2.9	1.80	2.40 0.38
1,1-Dichloroethene	BDL	770.0	708.0	1270.0	618.0	501.0	390.0	340.0	204.0	280.0	80.0	282.0	100.0	234.0	120.00	220.00 7.00
Trichloroethene	280.0	125.0	267.0	232.0	152.0	206.0	81.0	BDL	98.0	110.0	64.3	90.0	34.7	77.4	46.00	49.00 2.80
1,1,1-Trichloroethane	BDL	1710.0	2709.0	3920.0	1440.0	2080.0	620.0	1000.0	358.0	725.0	465.0	342.0	365.0	354.0	220.00	270.00 200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	3.7	6.6	BDL	BDL	2.2	BDL	2.1	BDL	1.5	1.30	BDL 1.00
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	5.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL 2100.00
Tetrachloroethylene	BDL	2.5	BDL	BDL	BDL	BDL	BDL	BDL 0.70								
cis-,1,2-Dichloroethylene	330.0	470.0	319.0	429.0	164.0	BDL	BDL	BDL	151.0	32.0	81.5	84.0	BDL	92.5	BDL	BDL 70.00
Vinyl Chloride	BDL	BDL	BDL	126.0	85.6	48.9	BDL	30.0	BDL	33.2	13.2	29.7	19.1	29.7	18.00	24.00 0.015
Chloroethane	BDL	BDL	BDL	BDL	BDL	8.7	4.3	BDL	BDL	8.2	BDL	4.4	4.1	3.9	23.00	4.90 2800.00
Carbon Tetrachloride	BDL	BDL	BDL	BDL	192.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL 0.30
1,1,2,2 Tetrachloroethane	BDL	1.0	1.0	1.8	BDL	BDL	BDL	BDL 1.00								
Total CVOCs	1450.0	3765.0	4635.0	7077.0	2921.2	3107.3	1466.0	1610.0	1094.3	1381.1	815.0	995.0	682.9	995.9	580.1	750.3
Lead	NA	NA	NA	NA	NA	NA	NA 15.00									

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-25 cont.

Constituent	Date										2L Standard
	2/13/2003	3/21/2003	4/15/2003	5/20/2003	7/24/2003	10/17/2003	11/4/2003	1/14/2004	4/26/2004	10/5/2004	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	200.00
EDB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0 0004
IPE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	70.00
Total VOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	
2-Methylnaphthalene	NA	NA	6.3	BDL	BDL	BDL	BDL	BDL	NA	NA	14.00
1,1-Dichloroethane	150.00	28.00	13.0	110.0	170.0	68.0	64.0	48.0	120.00	46.00	700.00
1,2-Dichloroethane	BDL	BDL	BDL	BDL	BDL	1.4	BDL	1.50	BDL	BDL	0.38
1,1-Dichloroethene	110.00	27.00	15.0	52.00	6.4	BDL	1.9	4.1	10.00	1.60	7.00
Trichloroethene	40.00	9.10	3.6	2.4	BDL	1.5	1.6	1.5	2.30	1.20	2.80
1,1,1-Trichloroethane	240.00	31.00	13.0	29.0	15.0	4.4	BDL	7.2	21.00	8.60	200.00
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
2-Chlorotoluene	NA	NA	NA	NA	NA	NA	NA	NA	7.70	NA	
Trichlorofluoromethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2100.00
Tetrachloroethene	7.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.70
cis- 1,2-Dichloroethylene	BDL	BDL	BDL	34.0	BDL	BDL	BDL	2.0	6.90	BDL	70.00
Vinyl Chloride	16.00	3.70	1.7	16.0	82.0	5.7	14.0	34.0	65.00	15.00	0.015
Chloroethane	15.00	BDL	BDL	BDL	10.0	120.0	120.0	68.0	100.00	41.00	2800.00
Chloroform		BDL	BDL	BDL	1.0	BDL	BDL	BDL	BDL	BDL	0.19
Carbon Tetrachloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.30
1,1,2,2 Tetrachloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Total CVOCS	578.7	98.8	46.3	243.4	283.4	200.6	202.9	164.8	334.40	113.40	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

Constituent	Date										2L Standard
	02/13/03	03/21/03	04/15/03	05/20/03	07/24/03	10/17/03	11/04/03	01/14/04	04/26/04	10/05/04	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1000.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	29.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	530.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	21.00
EDB	NA	200.00									
IPE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	0.0004
Total VOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	70.00
2-Methylnaphthalene	NA	NA	4.2	NA	NA	BDL	NA	NA	BDL	BDL	
1-Methylnaphthalene	NA	NA	BDL	NA	NA	1.5	NA	NA	BDL	BDL	14.00
1,1-Dichloroethane	74.0	28.0	17.0	120.0	170.0	41.0	39.0	70.0	92.00	67.00	NS
1,2-Dichloroethane	1.0	BDL	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	700.00
1,1-Dichloroethene	93.0	35.0	16.0	50.0	3.9	BDL	1.7	3.8	BDL	BDL	0.38
cis-1,2-Dichloroethene		14.0		30.0	1.2	BDL	2.1	BDL	BDL	BDL	7.00
4-Chlorotoluene	NA	6.60	NA	70.00							
Trichloroethene	28.0	9.1	BDL	BDL	BDL	1.3	1.1	2.0	BDL	BDL	
1,1,1-Trichloroethane	130.0	27.0	BDL	30.0	10.0	4.4	BDL	8.1	7.00	BDL	2.80
1,1,2-Trichloroethane	BDL	200.00									
Trichlorofluoromethane	BDL	1.00									
Tetracholorethane	BDL	2100.00									
Vinyl Chloride	11.0	3.6	2.8	31.0	89.0	9.8	13.0	72.0	48.00	20.00	0.70
Chloroethane	BDL	BDL	BDL	BDL	12.0	130.0	110.0	130.0	110.00	37.00	0.015
Carbon Tetrachloride	BDL	2800.00									
1,1,2,2 Tetrachloroethane	BDL	0.30									
Total CVOCs	337.0	116.7	35.8	261.0	286.1	186.5	166.2	288.0	263.6	124.0	1.00
Lead	NA	12.00	NA	15.00							

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l

Nello Teer Quarry
Durham County

MW-26

Constituent	Date														2L Standard		
	8/29/1994	1/26/1995	4/27/1995	8/29/1995	3/13/1996	10/9/1996	12/2/1997	5/13/1998	6/17/1999	12/10/1999	6/7/2000	12/7/2000	6/15/2001	1/2/2002	6/4/2002	9/12/2002	
Benzene	BDL	NS	NA	NA	BDL	BDL	1.00										
Toluene	BDL	NS	NA	NA	BDL	BDL	1000.00										
Ethylbenzene	BDL	NS	NA	NA	BDL	BDL	29.00										
Xylenes	BDL	NS	NA	NA	BDL	BDL	530.00										
Naphthalene	BDL	42.5	BDL	NS	NA	NA	BDL	BDL	21.00								
MTBE	NA	NA	NA	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	200.00	
EDB	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	NS	NA	NA	NA	NA	0.0004	
IPE	NA	NA	NA	BDL	NA	NA	BDL	NA	BDL	BDL	NS	NA	NA	BDL	BDL	70.00	
Total VOCs	0.0	42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NA	NA	0.00	0.00		
1,1-Dichloroethane	BDL	100.0	109.0	85.4	BDL	54.3	13.0	5.6	3.6	2.4	BDL	NS	1.0	1.8	2.00	2.80	700.00
1,1-Dichloroethene	BDL	BDL	8.1	10.7	13.6	7.2	5.2	3.6	4.2	5.1	BDL	NS	BDL	BDL	1.20	1.80	7.00
Trichloroethene	BDL	NS	BDL	BDL	BDL	BDL	2.80										
cis-1,2-Dichloroethylene	BDL	BDL	4.9	5.8	8.3	BDL	BDL	BDL	5.8	5.8	BDL	NS	BDL	BDL	BDL	70.00	
Vinyl Chloride	29.5	BDL	BDL	44.8	56.6	20.1	12.0	6.9	7.0	6.0	BDL	NS	BDL	BDL	BDL	0.015	
Total CVOCs	29.5	100.0	122.0	146.7	78.5	81.6	30.2	16.1	20.6	19.3	0.0	1.0	4.5	3.2	4.6		
Lead	NA	NS	NS	NS	NA	NA	15.00										

MW-26, cont.

Constituent	Date														2L Standard	
	4/15/2003	10/17/2003	4/36/2004													
Benzene	BDL	BDL	BDL													1.00
Toluene	BDL	BDL	BDL													1000.00
Ethylbenzene	BDL	BDL	BDL													29.00
Xylenes	BDL	BDL	BDL													530.00
Naphthalene	BDL	BDL	BDL													21.00
MTBE	BDL	BDL	BDL													200.00
EDB	NA	NA	NA													0.0004
IPE	BDL	BDL	BDL													70.00
Total VOCs	0.00	0.00	0.00													
1,1-Dichloroethane	1.00	2.80	2.00													700.00
1,1-Dichloroethene	BDL	1.00	1.00													7.00
Trichloroethene	BDL	BDL	BDL													2.60
cis-1,2-Dichloroethylene	BDL	2.0	2.60													70.00
Vinyl Chloride	BDL	BDL	BDL													0.015
Total CVOCs	1.0	5.8	5.60													
Lead	NA	NA	BDL													15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-27

Constituent	Date		2L Standard
	9/9/1993	8/29/1994	
Benzene	BDL	BDL	1.00
Toluene	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	29.00
Xylenes	BDL	BDL	530.00
Naphthalene	BDL	BDL	21.00
MTBE	BDL	NA	200.00
EDB	BDL	NA	0.0004
IPE	BDL	NA	70.00
Total PAH	0.00	NA	
1,1-Dichloroethane	BDL	BDL	700.00
Trichloroethene	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	70.00
Vinyl Chloride	BDL	BDL	0.015
Total CVOCs	0.00	0.00	
Lead	0.05	NA	15.00

MW-28D

Constituent	Date					2L Standard
	09/12/02	04/16/03	10/16/03	04/27/04	10/06/04	
Benzene	BDL	BDL	BDL	BDL	BDL	
Toluene	5.30	BDL	BDL	BDL	BDL	1.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	1000.00
Xylenes	BDL	BDL	BDL	BDL	BDL	29.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	530.00
MTBE	BDL	BDL	BDL	BDL	BDL	21.00
EDB	NA	NA	NA	NA	NA	200.00
IPE	BDL	BDL	BDL	1.10	BDL	0.0004
Total VOCs	5.30	0.00	0.00	1.10	0.00	70.00
2-Chlorotoluene	NA	NA	NA	1.60	NA	
1,1-Dichloroethane	9.70	25.00	9.90	24.00	7.20	
1,1-Dichloroethene	5.50	20.00	4.00	8.70	1.10	700.00
Trichloroethene	1.30	3.30	BDL	1.60	BDL	7.00
1,1,1-Trichloroethane	BDL	4.90	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	BDL	4.50	BDL	200.00
Vinyl Chloride	BDL	1.50	1.20	1.90	BDL	70.00
Total CVOCs	16.50	54.70	15.10	42.30	8.30	0.015
Lead	NA	NA	NA	BDL	BDL	15.00

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-29

Constituent	Date									2L Standard
	02/13/03	03/21/03	04/15/03	05/20/03	07/24/03	10/17/03	11/04/03	01/14/04	04/26/04	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	200.00
EDB	NA	0.0004								
IPE	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	70.00
Total VOCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	
Acenaphthene	NA	NA	1.9	NA	NA	BDL	NA	NA	BDL	80.00
Fluorene	NA	NA	2.0	NA	NA	BDL	NA	NA	BDL	280.00
Chlorobenzene	BDL	3.0	BDL	50.00						
1-Methylnaphthene	NA	NA	16.0	NA	NA	BDL	NA	NA	BDL	NS
Phenanthrene	NA	NA	1.2	NA	NA	BDL	NA	NA	BDL	210.00
1,1-Dichloroethane	BDL	1.00	700.00							
1,1-Dichloroethene	BDL	7.00								
Trichloroethene	BDL	2.80								
Vinyl Chloride	BDL	0.015								
Total CVCs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	1.00	
Lead	NA	BDL	15.00							

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 4. Summary of Monitoring Well Analytical Results, in ug/l
 Nello Teer Quarry
 Durham County

MW-29i

Constituent	Date										2L Standard
	02/13/03	03/21/03	04/15/03	05/20/03	07/24/03	10/17/03	11/04/03	01/14/04	04/28/04	10/05/04	
Benzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	1.00
Toluene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	1000.00
Ethylbenzene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	29.00
Xylenes	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	530.00
Naphthalene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	BDL	21.00
MTBE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	200.00
EDB	NA	0.0004									
IPE	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	70.00
Total VOCs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Acenaphthene	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	NA	80.00
Fluorene	NA	NA	1.00	NA	NA	BDL	NA	NA	BDL	NA	280.00
1-Methylnaphthene	NA	NA	BDL	NA	NA	1.90	NA	NA	BDL	NA	NS
Phenanthrene	NA	NA	BDL	NA	NA	BDL	NA	NA	BDL	NA	210.00
Chloroethane	BDL	BDL	BDL	BDL	3.90	25.00	20.00	9.90	20.00	BDL	2800.00
Chloroform	BDL	BDL	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	0.19
2-Chlorotoluene	NA	15.00	NA	140.00							
1,1-Dichloroethane	6.10	9.70	6.00	13.00	50.00	47.00	70.00	66.00	69.00	18.00	700.00
1,1-Dichloroethene	12.00	BDL	7.70	18.00	10.00	3.10	6.40	6.70	10.00	1.60	7.00
cis-1,2-Dichloroethene	BDL	BDL	BDL	10.00	4.10	2.80	3.20	3.50	7.60	1.00	70.00
Trichloroethene	4.40	5.70	3.40	2.30	2.40	2.00	2.10	2.20	5.60	BDL	2.80
1,1,1-Trichloroethane	3.20	3.20	BDL	3.40	6.20	3.70	BDL	21.00	37.00	7.80	200.00
Vinyl Chloride	2.00	1.40	BDL	2.50	41.00	26.00	39.00	41.00	34.00	9.40	0.015
Total CVCs	27.70	20.00	17.10	49.20	117.60	110.60	140.70	150.30	198.20	37.80	15.00
Lead	NA	BDL	BDL								

BDL Indicates Below Detection Limit.

NA Indicates Not Analyzed.

NS Indicates Not Sampled.

Bold Indicates Concentration Above State 2L Standard.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-1												2L Standard	
	8/29/99	2/25/00	6/14/00	9/8/00	12/7/00	6/15/01	12/28/01	6/6/02	9/13/02	4/15/03	10/20/03	4/27/04	10/6/04	
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.00	NA	700.00
Benzene	6.80	BDL	1.20	BDL	BDL	BDL	BDL	BDL	BDL	5.50	6.10	4.60		1.00
Toluene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1000.00
Ethylbenzene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	29.00
Xylenes.	BDL	BDL	1.10	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	530.00
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	21.00
MTBE	BDL	BDL	BDL	1.80	BDL	BDL	1.70	BDL	BDL	BDL	BDL	1.60	BDL	200.00
EDB	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	0.0004
IPE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	9.50	11.00	8.40	
Total VOCs	6.80	0.00	2.30	1.80	0.00	0.00	1.70	0.00	0.00	0.00	15.00	67.70	13.00	70.00
Acenaphthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	80.00
1,1-Dichloroethane	BDL	7.40	BDL	2.90	12.50	5.10	6.20	BDL	3.40	5.30	BDL	BDL	BDL	80.00
1,1 Dichloroethene	BDL	BDL	1.50	1.60	5.40	1.30	2.40	1.70	2.00	1.30	BDL	BDL	BDL	700.00
1,2 Dichloroethane	BDL	BDL	3.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.00
Trichloroethene	BDL	2.20	BDL	3.20	3.60	4.80	6.00	3.50	4.00	2.40	2.00	BDL	3.20	2.80
1,1,1 Trichloroethane	BDL	3.40	BDL	1.00	2.80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	200.00
cis-,1,2-Dichloroethylene	BDL	2.20	1.80	3.10	3.30	8.40	10.80	NA	NA	NA	2.20	1.80	1.40	70.00
Chloroethane	BDL	BDL	2.90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Vinyl Chloride	BDL	BDL	BDL	BDL	2.80	2.60	BDL	BDL	1.10	BDL	BDL	BDL	BDL	0.015
Total CVOCs	0.00	15.20	9.20	11.80	27.60	24.90	28.00	5.20	9.40	10.10	4.20	1.80	4.60	
1-MethylNaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	1.20		MDL
2-MethylNaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	28.00
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	BDL	BDL	BDL	BDL	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.10	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

RW-2 (formerly MW-2)

Constituent	Date												2L Standard
	5/7/93	5/20/93	8/29/94	8/29/99	6/14/00	1/23/01	10/26/01	6/6/02	9/13/02	4/16/03	Oct-03	Apr-04	
Benzene	575.00	353.00	95.00	BDL	BDL	1.60	BDL	BDL	BDL	BDL	NS	NS	1.00
Toluene	1160.00	418.00	19.00	BDL	1.70	BDL	BDL	BDL	BDL	BDL	NS	NS	1000.00
Ethylbenzene	84.40	BDL	62.00	BDL	1.00	2.40	BDL	BDL	BDL	BDL	NS	NS	29.00
Xylenes	1425.00	106.00	61.00	BDL	13.00	1.10	BDL	BDL	BDL	BDL	NS	NS	530.00
Naphthalene	NA	NA	2.78	BDL	BDL	BDL	NA	NA	BDL	BDL	NS	NS	21.00
MTBE	NA	BDL	NA	BDL	BDL	BDL	3.00	BDL	BDL	BDL	NS	NS	200.00
EDB	NA	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NA	NS	NS	0.0004
IPE	NA	BDL	NA	BDL	BDL	BDL	BDL	BDL	BDL	9.80	NS	NS	70.00
Total VOCs	3244.40	877.00	239.80	0.00	15.70	5.10	3.00	0.00	0.00	9.80	NS	NS	
1,1-Dichloroethane	NA	BDL	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	NS	700.00
1,1 Dichloroethene	NA	NA	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	7.00
Trichloroethene	NA	BDL	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	NS	2.80
1,1,1 Trichloroethane	NA	NA	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	200.00
cis-,1,2-Dichloroethene	NA	NA	90.00	BDL	6.50	2.60	NA	NA	NA	NA	NS	NS	70.00
Chloroethane	NA	NA	NA	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	2800.00
Vinyl Chloride	NA	BDL	BDL	BDL	BDL	BDL	NA	BDL	NA	BDL	NS	NS	0.015
Total CVOCs	0.00	0.00	90.00	0.00	6.50	3.80	NA	0.00	NA	0.00	NS	NS	
1-MethylNaphthalene	NA	NA	NA	BDL	BDL	BDL	NA	NA	NA	BDL	NS	NS	MDL
Phenanthrene	NA	NA	NA	BDL	BDL	BDL	NA	NA	BDL	BDL	NS	NS	210.00
Lead	<0.05	0.20	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-3											2L Standard	
	8/29/99	2/25/00	6/14/00	12/7/00	6/15/01	12/28/01	6/4/02	9/12/02	4/15/03	10/20/03	4/26/04	10/6/04	
Benzene	25.50	BDL	7.60	9.70	16.80	10.30	13.00	BDL	BDL	64.00	64.00	61.00	
Toluene	21.50	BDL	3.60	2.90	11.00	2.60	5.90	BDL	BDL	56.00	BDL	BDL	1.00
Ethylbenzene	22.50	BDL	3.30	1.80	19.30	6.10	11.00	BDL	BDL	64.00	47.00	72.00	1000.00
Xylenes	270.00	BDL	16.40	13.20	45.20	6.30	20.80	BDL	BDL	137.00	107.00	170.00	29.00
Naphthalene	11.00	BDL	8.00	7.00	BDL	27.40	NA	6.50	21.00	130.00	110.00	51.00	530.00
MTBE	11.50	BDL	BDL	BDL	NS	7.10	BDL	BDL	BDL	BDL	BDL	BDL	21.00
EDB	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	200.00
IPE	BDL	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	0.0004
Total VOCs	362.00	0.00	38.90	34.60	92.30	59.80	62.70	6.50	21.00	489.00	364.00	354.00	70.00
n-Propylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.00	NA	
1,2,4-Trimethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.00	NA	70.00
Isopropylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1,1-Dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
1,1 Dichloroethene	BDL	BDL	1.60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.00
1,1,1 Trichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethylene	BDL	BDL	2.70	BDL	1.40	BDL	NA	BDL	BDL	BDL	BDL	BDL	200.00
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	70.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Vinyl Chloride	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	22.00	BDL	BDL	0.19
Total CVOCs	0.00	0.00	5.30	0.00	1.40	BDL	0.00	0.00	0.00	22.00	0.00	0.00	0.015
Acenaphthene	BDL	NA	NA	BDL	BDL	NA	BDL	11.00	BDL	BDL	740.00		
1-Methylnaphthalene	44.00	NA	NA	BDL	BDL	NA	43.00	23.00	110.00	41.00	190.00		80.00
2-Methylnaphthalene	38.00	NA	NA	BDL	BDL	BDL	NA	9.90	BDL	87.00	40.00	190.00	NS
Benzo (a) anthracene	NA	NA	NA	BDL	BDL	BDL	NA	BDL	BDL	4.50	BDL	BDL	28.00
Phenanthrene	12.00	NA	NA	24.00	2.60	BDL	NA	24.00	33.00	270.00	BDL	BDL	0.0479
Floranthene	NA	NA	NA	BDL	BDL	BDL	NA	BDL	BDL	23.00	BDL	BDL	210.00
Fluorene	NA	NA	NA	BDL	BDL	BDL	NA	12.00	15.00	BDL	BDL	BDL	280.00
Pyrene	NA	NA	NA	BDL	BDL	BDL	NA	4.40	BDL	54.00	BDL	BDL	280.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	210.00
													15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-4												2L Standard	
	8/29/99	3/8/00	5/3/00	6/14/00	12/7/00	6/15/01	12/28/01	Date	6/6/02	9/12/02	4/15/03	10/1/03	4/1/04	
Benzene	BDL	BDL	5.00	1.80	3.10	BDL	BDL	1.10	BDL	NS	NS	NS		
Toluene	BDL	BDL	3.00	3.00	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	1.00	
Ethylbenzene	BDL	BDL	4.00	4.00	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	1000.00	
Xylenes	BDL	BDL	2.00	2.00	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	29.00	
Naphthalene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	NS	NS	NS	530.00	
MTBE	BDL	BDL	5.00	NA	2.20	NA	1.20	BDL	BDL	NS	NS	NS	21.00	
EDB	BDL	BDL	NA	BDL	BDL	BDL	BDL	NA	NA	NS	NS	NS	200.00	
IPE	BDL	BDL	NA	NA	NA	NA	NA	BDL	BDL	NS	NS	NS	0.0004	
Total VOCs	0.00	0.00	19.00	10.80	5.30	0.00	1.20	1.10	0.00	NS	NS	NS	70.00	
1,1-Dichloroethane	BDL	BDL	NA	BDL	BDL	BDL	BDL	BDL	4.00	NN	NS	NS		
1,1 Dichloroethene	BDL	BDL	NA	1.70	BDL	BDL	BDL	BDL	BDL	NS	NS	NS	700.00	
Trichloroethene	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NS	NS	NS	7.00	
1,1,1 Trichloroethane	BDL	BDL	NA	NA	NA	BDL	BDL	BDL	BDL	NS	NS	NS	2.80	
cis-,1,2-Dichloroethylene	BDL	BDL	NA	2.80	3.10	BDL	BDL	BDL	BDL	NS	NS	NS	200.00	
Chloroethane	BDL	BDL	NA	NA	NA	BDL	BDL	NA	NA	NS	NS	NS	70.00	
Vinyl Chloride	BDL	BDL	NA	2.00	1.20	BDL	BDL	BDL	BDL	NS	NS	NS	2800.00	
Total CVOCS	0.00	0.00	NA	6.50	4.30	0.00	0.00	0.00	4.00	NS	NS	NS	0.015	
1-MethylNaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS		
2-MethylNaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	28.00	
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	210.00	
													15.00	

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-5														2L Standard	
	8/29/99	2/25/00	6/14/00	12/7/00	6/15/01	12/27/01	6/4/02	9/12/02	2/13/03	3/21/03	4/15/03	5/20/03	7/24/03	10/17/03	1/14/04	
Benzene	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	1.00
Toluene	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	1000.00
Ethylbenzene	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	29.00
Xylenes	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	530.00
Naphthalene	BDL	BDL	BDL	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	21.00
MTBE	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	200.00
EDB	BDL	BDL	BDL	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	BDL	NA	0.0004
IPE	BDL	BDL	BDL	NS	NA	NA	BDL	NA	NA	NA	NA	NA	NA	BDL	NA	70.00
Total VOCs	0.0	0.0	0.0	NS	NA	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	BDL	NA	
1,1-Dichloroethane	202.0	118.5	50.0	NS	100.0	98.2	96.0	150.0	46.0	21.0	12.0	42.0	54.0	26.0	42.0	700.00
1,2-Dichloroethane	BDL	BDL	BDL	NS	BDL	BDL	1.0	1.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38
1,1 Dichloroethene	260.0	BDL	170.0	NS	62.0	88.8	85.0	170.0	49.0	16.0	9.0	21.0	2.9	BDL	BDL	7.00
Trichloroethylene	67.2	BDL	65.6	NS	34.4	40.9	38.0	39.0	16.0	7.2	4.2	1.9	BDL	BDL	1.9	2.80
1,1,1 Trichloroethane	518.0	BDL	265.0	NS	198.0	250.0	220.0	250.0	77.0	23.0	BDL	15.0	5.7	2.6	7.1	200.00
cis-,1,2-Dichloroethylene	93.6	63.4	72.4	NS	48.2	53.4	NA	NA	NA	NA	NA	15.0	1.5	BDL	1.9	70.00
1,1,2,2-Tetrachloroethane	BDL	BDL	1.4	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	MDL
1,1,2-Trichloroethane	BDL	BDL	1.6	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	MDL
Chloroform	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19
Chloroethane	7.0	5.0	6.0	NS	4.4	1.4	2.4	4.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2800.00
Vinyl Chloride	30.7	20.0	24.6	NS	12.6	4.7	BDL	27.0	7.6	2.7	1.5	7.7	22.0	4.5	29.0	0.015
Total CVOCs	1178.5	206.9	656.6	0.0	459.6	537.4	442.4	642.0	195.6	69.9	26.7	102.6	88.7	57.1	139.6	
1-MethylNaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS
2-MethylNaphthalene	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.00
Phenanthrene	BDL	NA	NA	NA	NA	NA	NA	NA	BDL	NA	NA	BDL	NA	NA	NA	210.00
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	Date	2L Standard
	4/27/04	
Benzene	BDL	1.00
Toluene	BDL	1000.00
Ethylbenzene	BDL	29.00
Xylenes	BDL	530.00
Naphthalene	BDL	21.00
MTBE	BDL	200.00
EDB	NA	0.0004
IPE	BDL	
Total VOCs	0.00	70.00
2-Chlorotoluene	6.00	
1,1-Dichloroethane	72.00	140.00
1,2-Dichloroethane	BDL	700.00
1,1 Dichloroethene	3.70	0.38
Trichloroethene	1.80	7.00
1,1,1 Trichloroethane	9.00	2.80
cis-,1,2-Dichloroethylene	2.60	200.00
1,1,2,2-Tetrachloroethane	BDL	70.00
1,1,2-Trichloroethane	BDL	MDL
Chloroform	BDL	MDL
Chloroethane	25.00	0.19
Vinyl Chloride	19.00	2800.00
Total CVCs	139.10	0.015
1-Methylnaphthalene	NA	NS
2-Methylnaphthalene	NA	28.00
Phenanthrene	NA	210.00
Lead	6.60	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-6										2L Standard
	10/4/99	12/17/99	6/14/00	12/7/00	6/15/01	12/29/01	4/15/03	10/17/03	4/27/04	Date	
Benzene	BDL	2.20	BDL	BDL	NA	NA	NA	BDL	BDL		
Toluene	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL		1.00
Ethylbenzene	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL		1000.00
Xylenes	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL		29.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL		530.00
MTBE	BDL	2.10	BDL	BDL	NA	NA	NA	BDL	BDL		21.00
EDB	BDL	BDL	BDL	BDL	NA	NA	NA	BDL	BDL		200.00
IPE	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA		0.0004
Total VOCs	0.00	4.30	0.00	0.00	NA	NA	NA	BDL	BDL		70.00
Fluorene	BDL	5.00	BDL	NA	NA	NA	NA	BDL	NA		
Phenanthrene	BDL	4.00	BDL	NA	NA	NA	NA	BDL	NA		280.00
1,1-Dichloroethane	14.70	7.80	5.80	5.00	2.10	4.10	49.00	15.00	43.00		210.00
1,1 Dichloroethene	26.80	4.90	8.60	1.90	1.40	4.80	28.00	12.00	38.00		700.00
Trichloroethene	10.90	3.20	BDL	1.80	1.10	3.20	13.00	6.50	17.00		7.00
1,1,1 Trichloroethane	53.20	4.00	15.50	7.20	4.90	17.50	66.00	21.00	89.00		2.80
cis-,1,2-Dichloroethene	6.80	6.80	BDL	BDL	BDL	1.80	BDL	3.90	12.00		200.00
Chloroethane	BDL	BDL	5.20	BDL	BDL	BDL	BDL	BDL	1.50		70.00
Vinyl Chloride	3.10	BDL	1.90	BDL	BDL	BDL	9.10	2.60	5.80		MDL
Total CVOCs	115.50	26.70	37.00	15.90	9.50	31.40	165.10	61.00	206.30		0.015
Lead	NA	NA	NA	NA	NA	NA	NA	NA	BDL		15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-7												2L Standard
	10/4/99	6/14/00	6/23/00	7/6/00	12/7/00	6/15/01	12/28/01	6/6/02	9/12/02	4/15/03	10/17/03	4/27/04	
Benzene	BDL	BDL	BDL	9.50	BDL	NA	NA	BDL	NA	NA	BDL	BDL	
Toluene	BDL	BDL	BDL	4.00	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1.00
Ethylbenzene	BDL	BDL	BDL	1.40	BDL	NA	NA	BDL	NA	NA	BDL	BDL	1000.00
Xylenes	BDL	BDL	BDL	10.60	BDL	NA	NA	BDL	NA	NA	BDL	BDL	29.00
Naphthalene	BDL	BDL	144.00	BDL	BDL	NA	NA	BDL	NA	NA	BDL	BDL	530.00
MTBE	BDL	BDL	BDL	2.80	BDL	NA	NA	BDL	BDL	BDL	BDL	BDL	21.00
EDB	BDL	BDL	BDL	BDL	BDL	NA	NA	BDL	NA	NA	BDL	BDL	200.00
IPE	BDL	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NA	0.0004
Total VOCs	0.00	0.00	224.00	28.30	0.00	NA	NA	BDL	NA	NA	BDL	BDL	70.00
1,1-Dichloroethane	10.00	1.70	BDL	2.40	BDL	BDL	1.70	1.50	3.10	24.00	6.20	4.60	
1,1 Dichloroethene	1.60	1.90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.50	BDL	BDL	700.00
Trichloroethylene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.00
1,1,1 Trichloroethane	BDL	BDL	BDL	2.60	BDL	BDL	1.70	BDL	BDL	BDL	BDL	BDL	2.80
cis-1,2-Dichloroethylene	3.80	1.90	BDL	2.20	BDL	BDL	1.20	NA	BDL	BDL	BDL	BDL	200.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.10	70.00
Chloroethane	BDL	BDL	BDL	1.60	BDL	BDL	BDL	BDL	BDL	BDL	1.00	BDL	0.19
Vinyl Chloride	6.00	3.90	BDL	BDL	BDL	1.00	BDL	BDL	BDL	BDL	BDL	BDL	MDL
Total CVCs	21.40	9.40	0.00	8.80	0.00	1.00	4.60	1.50	3.10	32.60	7.20	5.70	0.02
Lead	NA	NA	BDL	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-8										2L Standard
	6/14/00	12/7/00	6/15/00	12/28/01	6/4/02	9/12/02	4/15/03	Date	10/20/03	4/26/04	10/6/04
Benzene	10.10	BDL	BDL	NS	BDL	BDL	15.00	16.00	15.00	22.00	
Toluene	1.20	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	1.00
Ethylbenzene	3.10	BDL	BDL	NS	13.00	BDL	2.00	7.90	BDL	11.00	1000.00
Xylenes	4.90	BDL	BDL	NS	BDL	BDL	7.60	10.00	BDL	14.00	29.00
Naphthalene	BDL	BDL	BDL	NS	NA	BDL	2.90	55.00	BDL	79.00	530.00
MTBE	BDL	2.50	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	21.00
EDB	BDL	BDL	BDL	NS	NA	NA	NA	NA	BDL	BDL	200.00
IPE	BDL	BDL	BDL	NS	BDL	8.80	24.00	BDL	11.00	BDL	0.0004
Total VOCs	19.30	2.50	0.00	NS	13.00	8.80	51.50	88.90	26.00	126.00	70.00
Acenaphthene	BDL	BDL	BDL	NS	BDL	BDL	2.20	4.20	BDL	25.00	
Acenaphthylene	BDL	BDL	BDL	NS	BDL	BDL	BDL	BDL	BDL	BDL	80.00
1-Methylnaphthalene	BDL	BDL	BDL	NS	BDL	BDL	BDL	1.30	BDL	BDL	210.00
2-Methylnaphthalene	BDL	BDL	BDL	NS	BDL	BDL	8.90	41.00	BDL	18.00	NS
Fluorene	BDL	BDL	BDL	NS	BDL	BDL	3.30	34.00	BDL	8.20	
Phenanthrene	BDL	BDL	BDL	NS	BDL	BDL	2.60	6.20	BDL	BDL	14.00
Pyrene	BDL	BDL	BDL	NS	BDL	BDL	2.30	9.60	BDL	BDL	280.00
1,1-Dichloroethane	BDL	BDL	BDL	NS	BDL	NA	BDL	1.90	BDL	BDL	210.00
1,1 Dichloroethene	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	700.00
Trichloroethene	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	7.00
1,1,1 Trichloroethane	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	2.80
cis-,1,2-Dichloroethene	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	200.00
Chloroethane	BDL	BDL	BDL	NS	NA	NA	BDL	BDL	BDL	BDL	70.00
Chloroform	BDL	BDL	BDL	NS	BDL	NA	BDL	BDL	BDL	BDL	MDL
Vinyl Chloride	BDL	BDL	BDL	NS	BDL	NA	BDL	22.00	BDL	BDL	0.19
Total CVOCs	0.00	0.00	0.00	NS	0.00	0.00	0.00	22.00	0.00	0.00	0.02
Lead	NA	NA	NA	NS	NA	NA	NA	NA	BDL	NA	15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-9											2L Standard
	5/19/00	6/14/00	9/8/00	12/7/00	6/15/01	12/27/01	6/6/02	9/12/02	4/15/03	10/17/03	4/27/04	
Benzene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	
Toluene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	1.00
Ethylbenzene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	
Xylenes	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	1000.00
Naphthalene	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	29.00
MTBE	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	BDL	NS	530.00
EDB	BDL	BDL	BDL	BDL	NA	NA	BDL	BDL	BDL	BDL	NS	21.00
IPE	BDL	BDL	BDL	BDL	NA	NA	NA	NA	NA	NA	NS	200.00
Total VOCs	0.00	0.00	0.00	0.00	NA	NA	BDL	BDL	BDL	BDL	NS	0.0004
1-Methylnaphthalene	NA	NA	NA	NA	NA	NA	NA	0.00	0.00	0.00	0.00	NS
1,1-Dichloroethane	84.50	75.60	33.00	84.20	78.60	180.00	130.00	120.00	56.00	91.00	NS	70.00
1,1 Dichloroethene	75.10	64.20	38.50	83.40	78.60	102.00	71.00	81.00	39.00	BDL	NS	
Trichloroethene	16.00	15.00	4.60	17.50	21.70	26.00	13.00	12.00	1.80	BDL	NS	700.00
1,1,1 Trichloroethane	50.60	40.20	16.30	37.60	38.90	65.00	31.00	27.00	BDL	2.60	NS	7.00
cis-,1,2-Dichloroethylene	26.80	23.70	11.00	28.00	21.70	42.00	NA	NA	NA	BDL	NS	2.80
Chloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NS	200.00
Chloroform	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	55.00	NS	70.00
Vinyl Chloride	8.50	9.30	1.30	15.10	14.20	12.00	8.40	8.20	4.80	1.00	NS	2800.00
Total CVOCs	261.50	228.00	104.70	265.80	253.70	427.00	253.40	248.20	101.60	149.60	NS	0.19
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	0.02
												15.00

All Results in ug/l.

NA Indicates Not Analyzed.

BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Table 5: Summary of Recovery Well Analytical Results

Constituent	RW-10		Date	2L Standard
	4/26/04	10/6/04		
Benzene	BDL	BDL		
Toluene	BDL	BDL		
Ethylbenzene	BDL	27.00		1.00
Xylenes	BDL	40.00		1000.00
Naphthalene	72.00	180.00		29.00
MTBE	BDL	BDL		530.00
EDB	BDL	BDL		21.00
IPE	BDL	BDL		200.00
Total VOCs	72.00	247.00		0.0004
Acenaphthene	BDL	130.00		70.00
Acenaphthylene	BDL	BDL		
1-Methylnaphthalene	15.00	82.00		80.00
2-Methylnaphthalene	BDL	82.00		210.00
Fluorene	BDL	BDL		NS
Phenanthrene	BDL	BDL		14.00
Pyrene	BDL	BDL		280.00
1,1-Dichloroethane	BDL	BDL		210.00
1,1 Dichloroethene	BDL	BDL		210.00
Trichloroethene	BDL	BDL		700.00
1,1,1 Trichloroethane	BDL	BDL		7.00
cis-,1,2-Dichloroethene	BDL	BDL		2.80
Chloroethane	BDL	BDL		200.00
Chloroform	BDL	BDL		70.00
Vinyl Chloride	BDL	BDL		MDL
Total CVOCs	0.00	0.00		0.19
Lead	13.00	NA		0.02
				15.00

123 files/13/139412/9412rwax.xls

All Results in ug/l.

NA Indicates Not Analyzed.

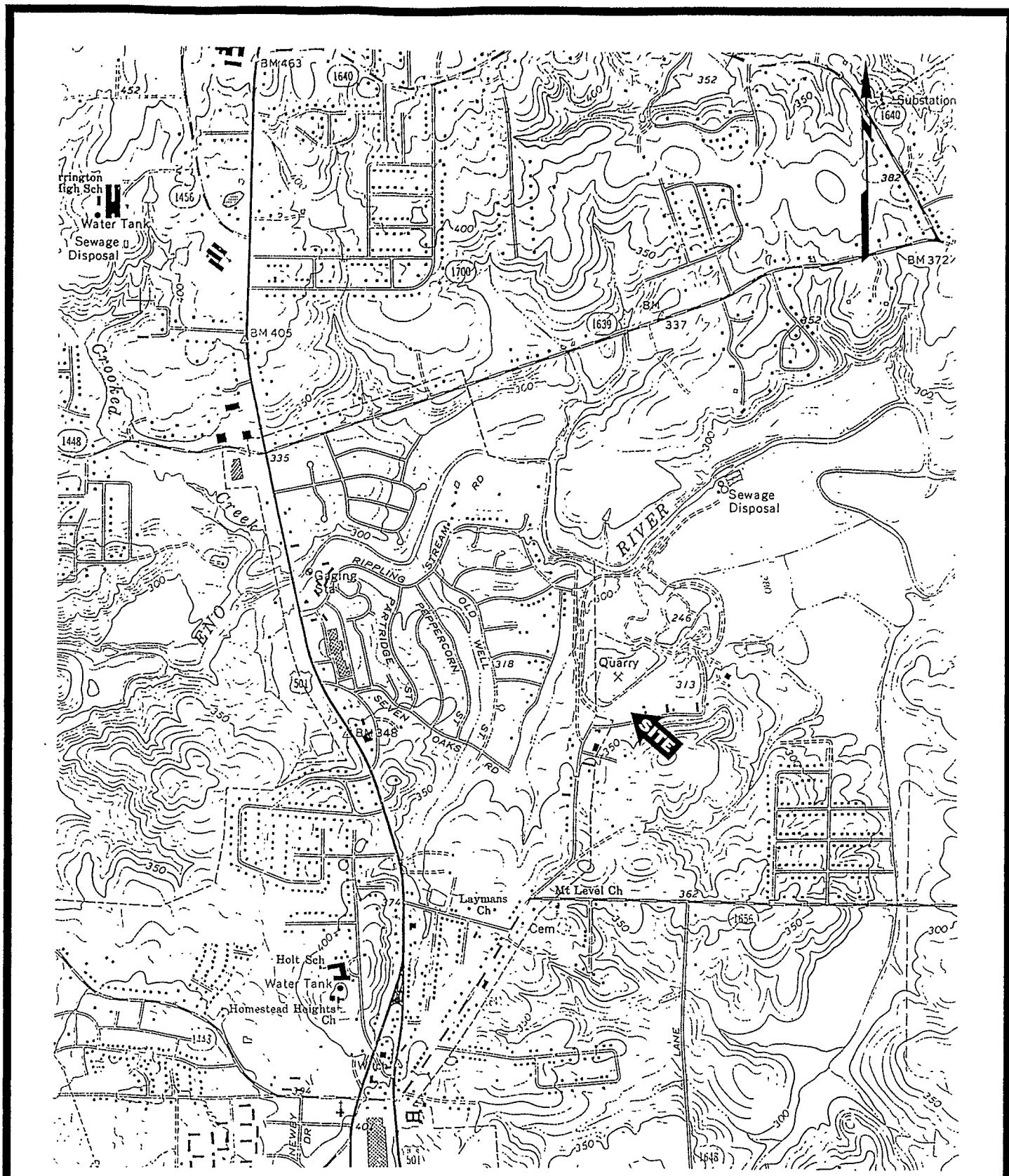
BDL Indicates Below Detection Limit.

Bold Indicates Concentration Above State 2L Standard.

NS Indicates Well Not Sampled.

Figures

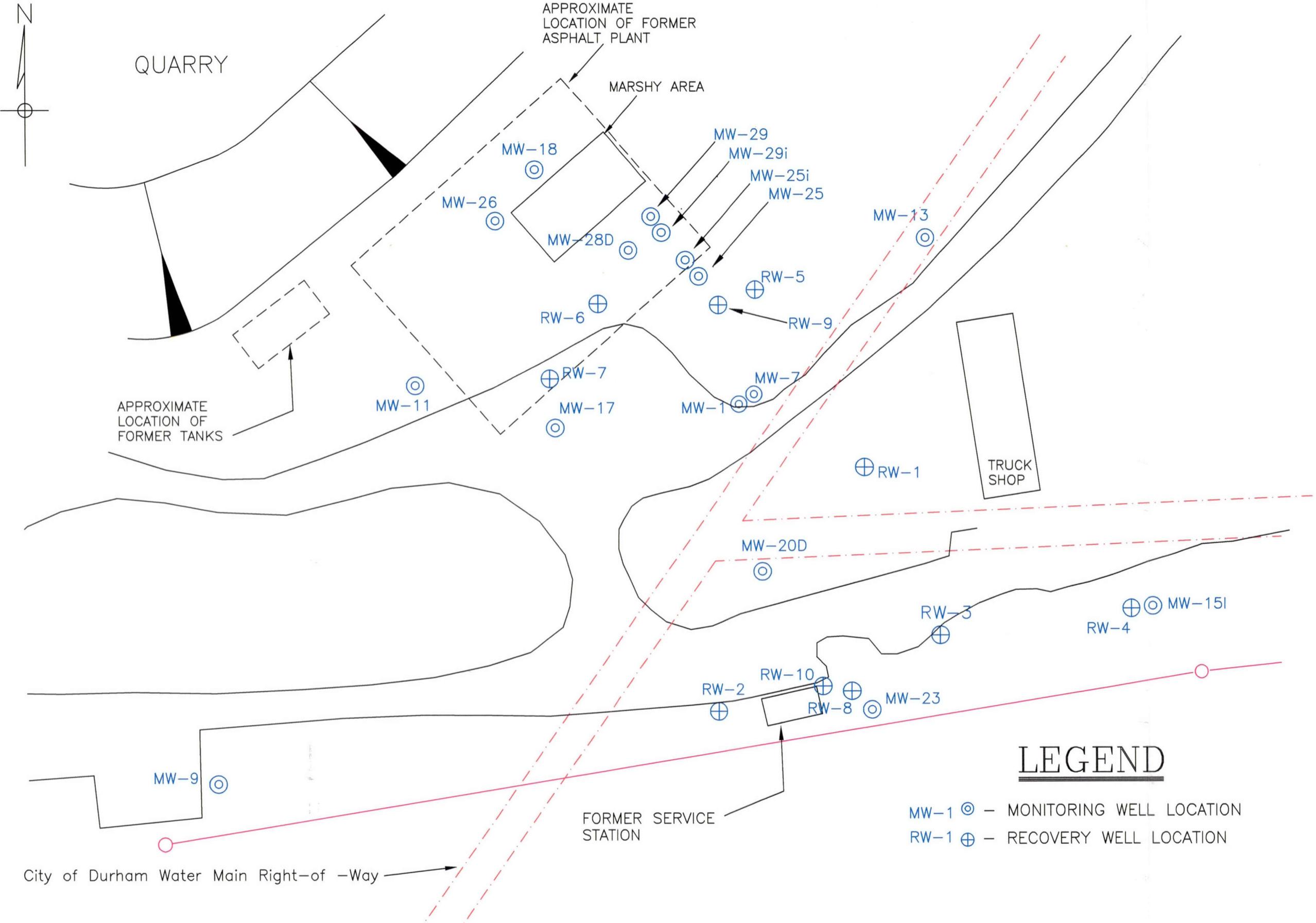
Figures



Site Location Map
Former Nello Teer Quarry
Denfield Street
Durham, NC

Quantum Environmental, Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE: 1
SCALE: 1" = 2000'
PROJ. NO.: 0013-94-012



Quantum Environmental, Inc.
6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE 2

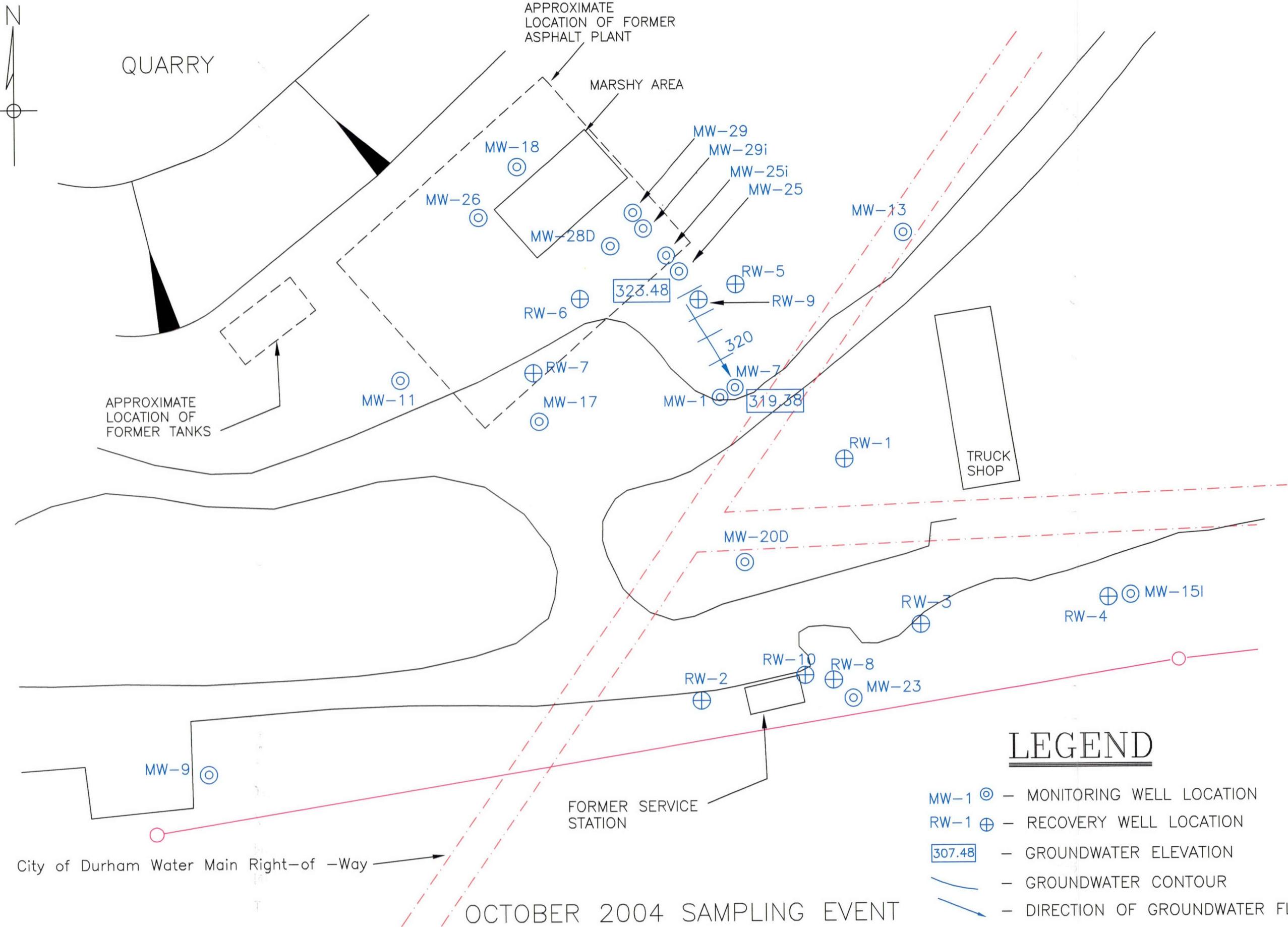
WELL LOCATION MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions
○○○○○○○○○○

Project No.
0013-94-012

SCALE: 1" = 75'

DWN	CHK	CLIENT APPROVAL
DATE	DATE	DATE
11	04	

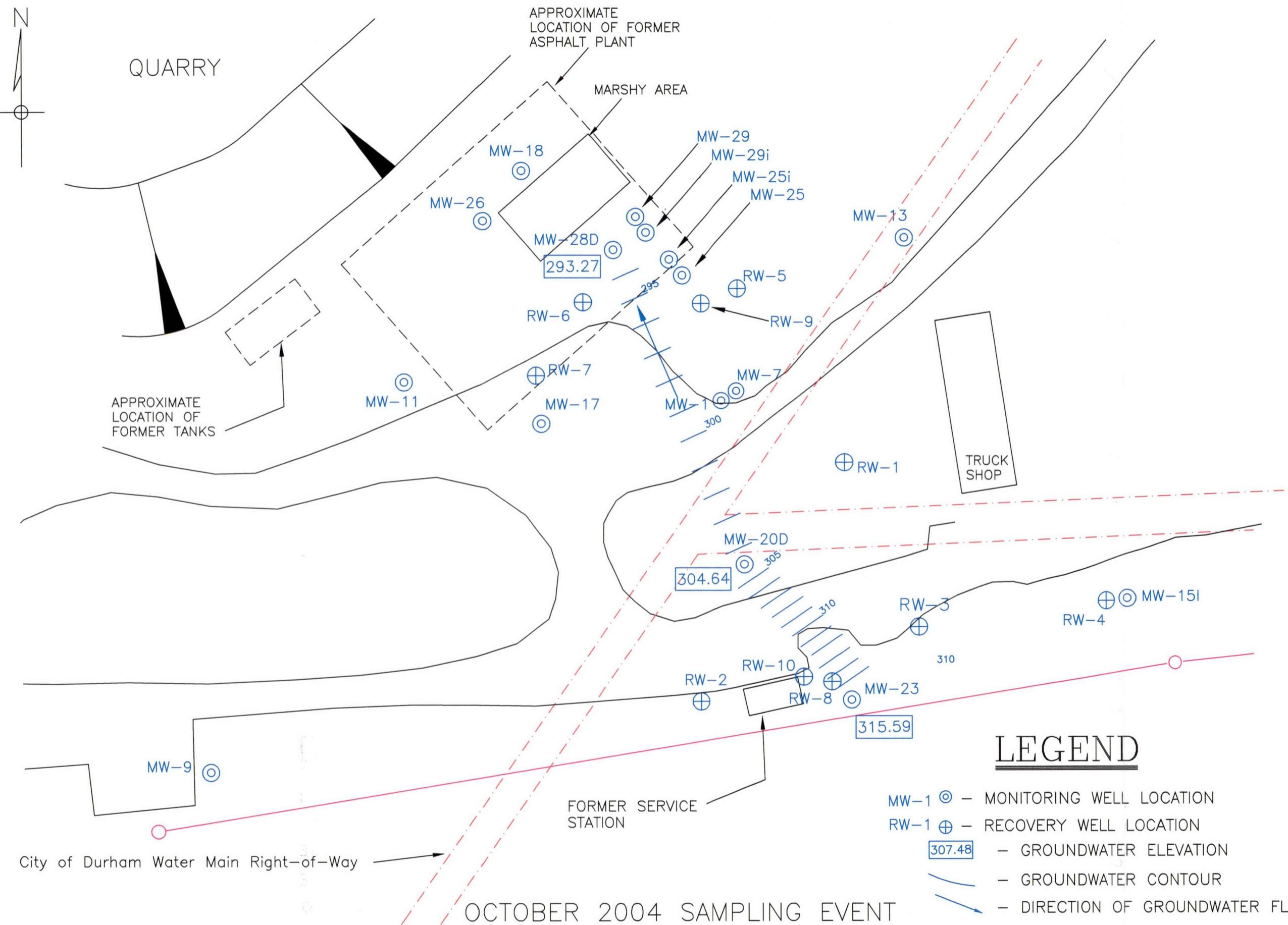


Quantum Environmental, Inc.
6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919)852-1997

FIGURE 3

SHALLOW AQUIFER POTENTIOMETRIC MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551

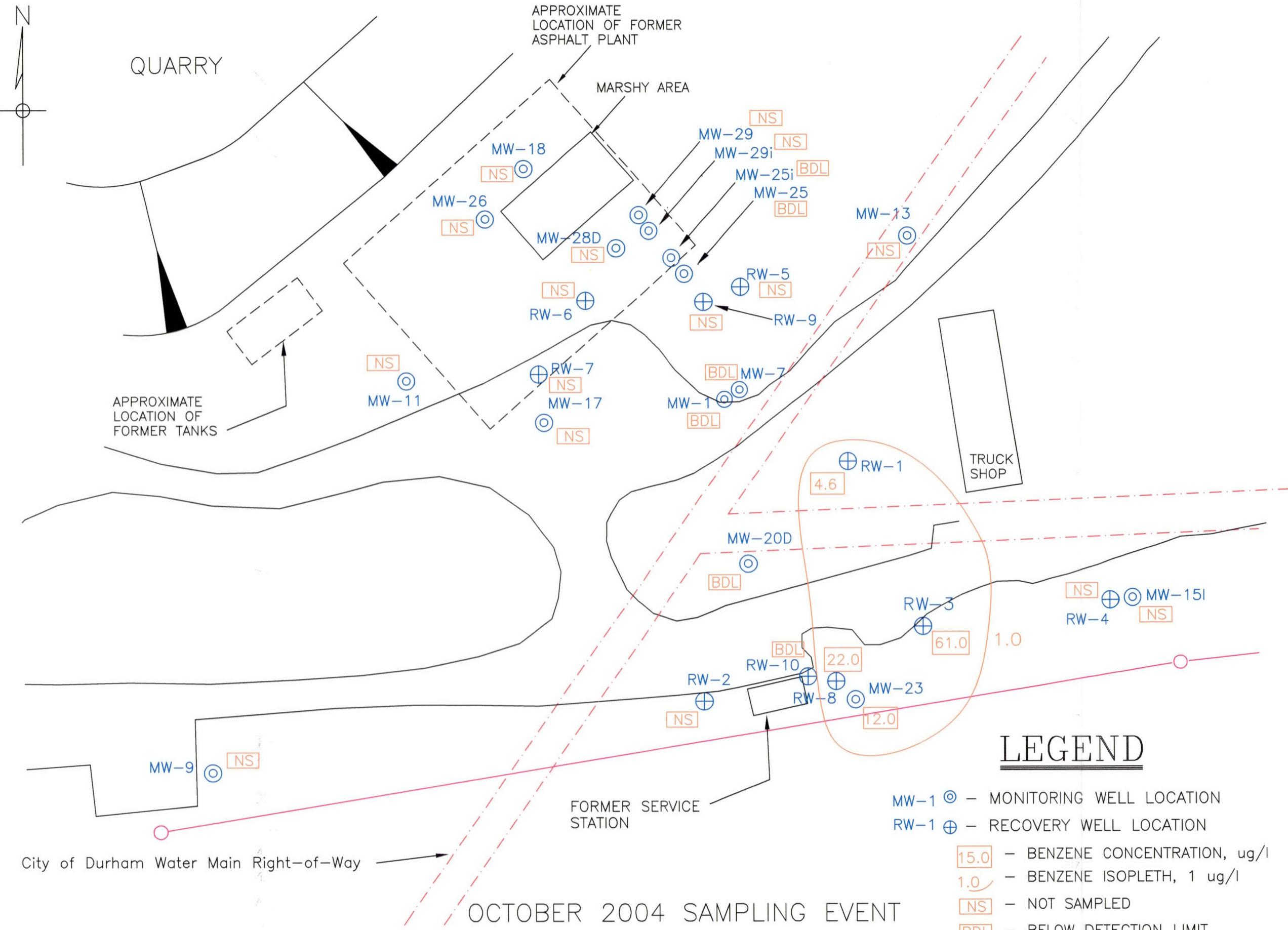


Quantum Environmental, Inc.
6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919) 852-1997

FIGURE 4

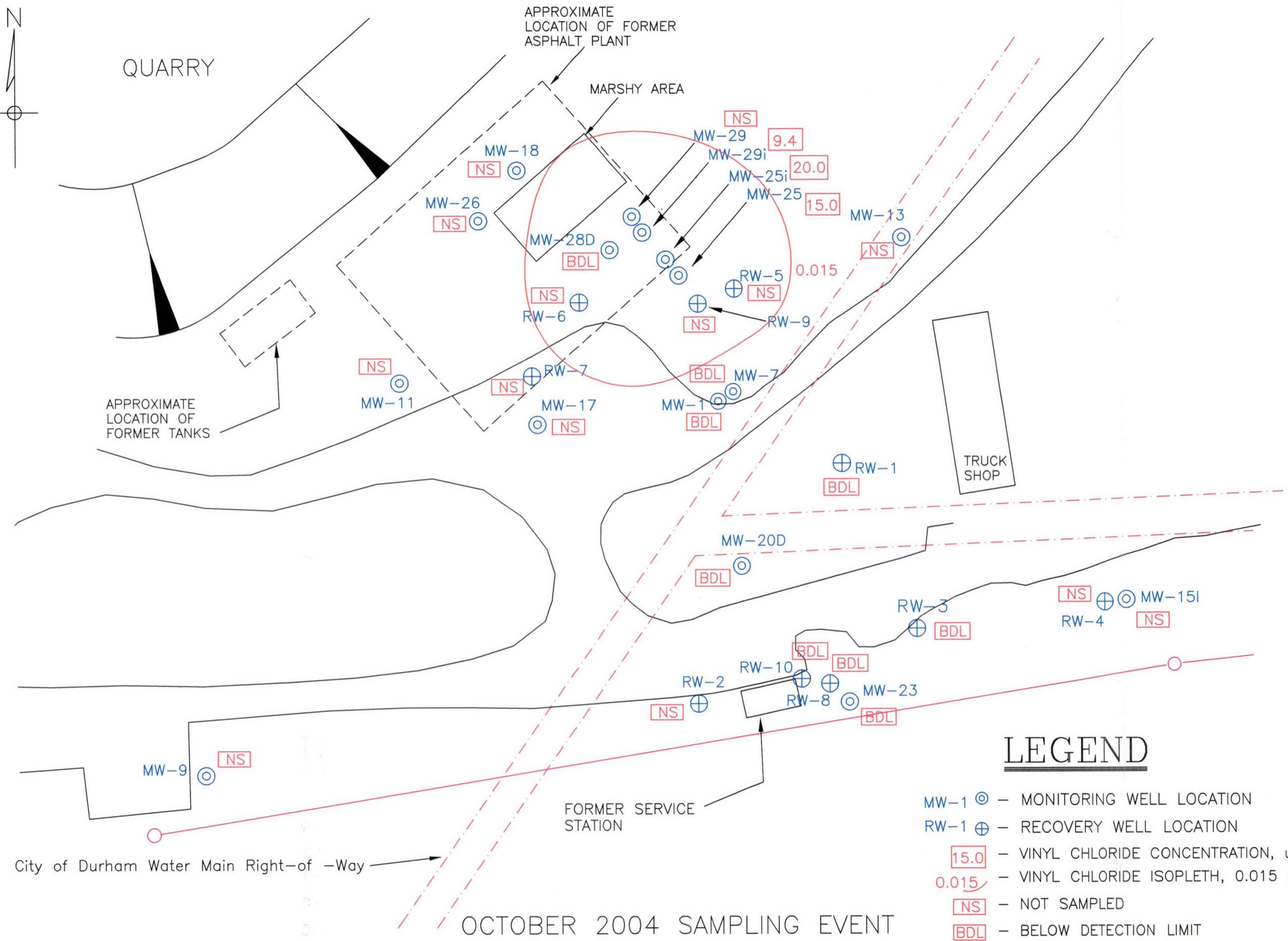
DEEP AQUIFER POTENTIOMETRIC MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
55



ISOCONCENTRATION MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions	Project No.
0000	0013-94-012
0001	SCALE: 1" = 75'
0002	DWN DATE
0003	CHK DATE
0004	CLIENT APPROVAL DATE
0005	
0006	
0007	
0008	
0009	
0010	
0011	
0012	
0013	
0014	
0015	
0016	
0017	
0018	
0019	
0020	
0021	
0022	
0023	
0024	
0025	
0026	
0027	
0028	
0029	
0030	
0031	
0032	
0033	
0034	
0035	
0036	
0037	
0038	
0039	
0040	
0041	
0042	
0043	
0044	
0045	
0046	
0047	
0048	
0049	
0050	
0051	
0052	
0053	
0054	
0055	
0056	
0057	
0058	
0059	
0060	
0061	
0062	
0063	
0064	
0065	
0066	
0067	
0068	
0069	
0070	
0071	
0072	
0073	
0074	
0075	
0076	
0077	
0078	
0079	
0080	
0081	
0082	
0083	
0084	
0085	
0086	
0087	
0088	
0089	
0090	
0091	
0092	
0093	
0094	
0095	
0096	
0097	
0098	
0099	
0100	
0101	
0102	
0103	
0104	
0105	
0106	
0107	
0108	
0109	
0110	
0111	
0112	
0113	
0114	
0115	
0116	
0117	
0118	
0119	
0120	
0121	
0122	
0123	
0124	
0125	
0126	
0127	
0128	
0129	
0130	
0131	
0132	
0133	
0134	
0135	
0136	
0137	
0138	
0139	
0140	
0141	
0142	
0143	
0144	
0145	
0146	
0147	
0148	
0149	
0150	
0151	
0152	
0153	
0154	
0155	
0156	
0157	
0158	
0159	
0160	
0161	
0162	
0163	
0164	
0165	
0166	
0167	
0168	
0169	
0170	
0171	
0172	
0173	
0174	
0175	
0176	
0177	
0178	
0179	
0180	
0181	
0182	
0183	
0184	
0185	
0186	
0187	
0188	
0189	
0190	
0191	
0192	
0193	
0194	
0195	
0196	
0197	
0198	
0199	
0200	
0201	
0202	
0203	
0204	
0205	
0206	
0207	
0208	
0209	
0210	
0211	
0212	
0213	
0214	
0215	
0216	
0217	
0218	
0219	
0220	
0221	
0222	
0223	
0224	
0225	
0226	
0227	
0228	
0229	
0230	
0231	
0232	
0233	
0234	
0235	
0236	
0237	
0238	
0239	
0240	
0241	
0242	
0243	
0244	
0245	
0246	
0247	
0248	
0249	
0250	
0251	
0252	
0253	
0254	
0255	
0256	
0257	
0258	
0259	
0260	
0261	
0262	
0263	
0264	
0265	
0266	
0267	
0268	
0269	
0270	
0271	
0272	
0273	
0274	
0275	
0276	
0277	
0278	
0279	
0280	
0281	
0282	
0283	
0284	
0285	
0286	
0287	
0288	
0289	
0290	
0291	
0292	
0293	
0294	
0295	
0296	
0297	
0298	
0299	
0300	
0301	
0302	
0303	
0304	
0305	
0306	
0307	
0308	
0309	
0310	
0311	
0312	
0313	
0314	
0315	
0316	
0317	
0318	
0319	
0320	
0321	
0322	
0323	
0324	
0325	
0326	
0327	
0328	
0329	
0330	
0331	
0332	
0333	
0334	
0335	
0336	
0337	
0338	
0339	
0340	
0341	
0342	
0343	
0344	
0345	
0346	
0347	
0348	
0349	
0350	
0351	
0352	
0353	
0354	
0355	
0356	
0357	
0358	
0359	
0360	
0361	
0362	
0363	
0364	
0365	
0366	
0367	
0368	
0369	
0370	
0371	
0372	
0373	
0374	
0375	
0376	
0377	
0378	
0379	
0380	
0381	
0382	
0383	
0384	
0385	
0386	
0387	
0388	
0389	
0390	
0391	
0392	
0393	
0394	
0395	
0396	
0397	
0398	
0399	
0400	
0401	
0402	
0403	
0404	
0405	
0406	
0407	
0408	
0409	
0410	
0411	
0412	
0413	

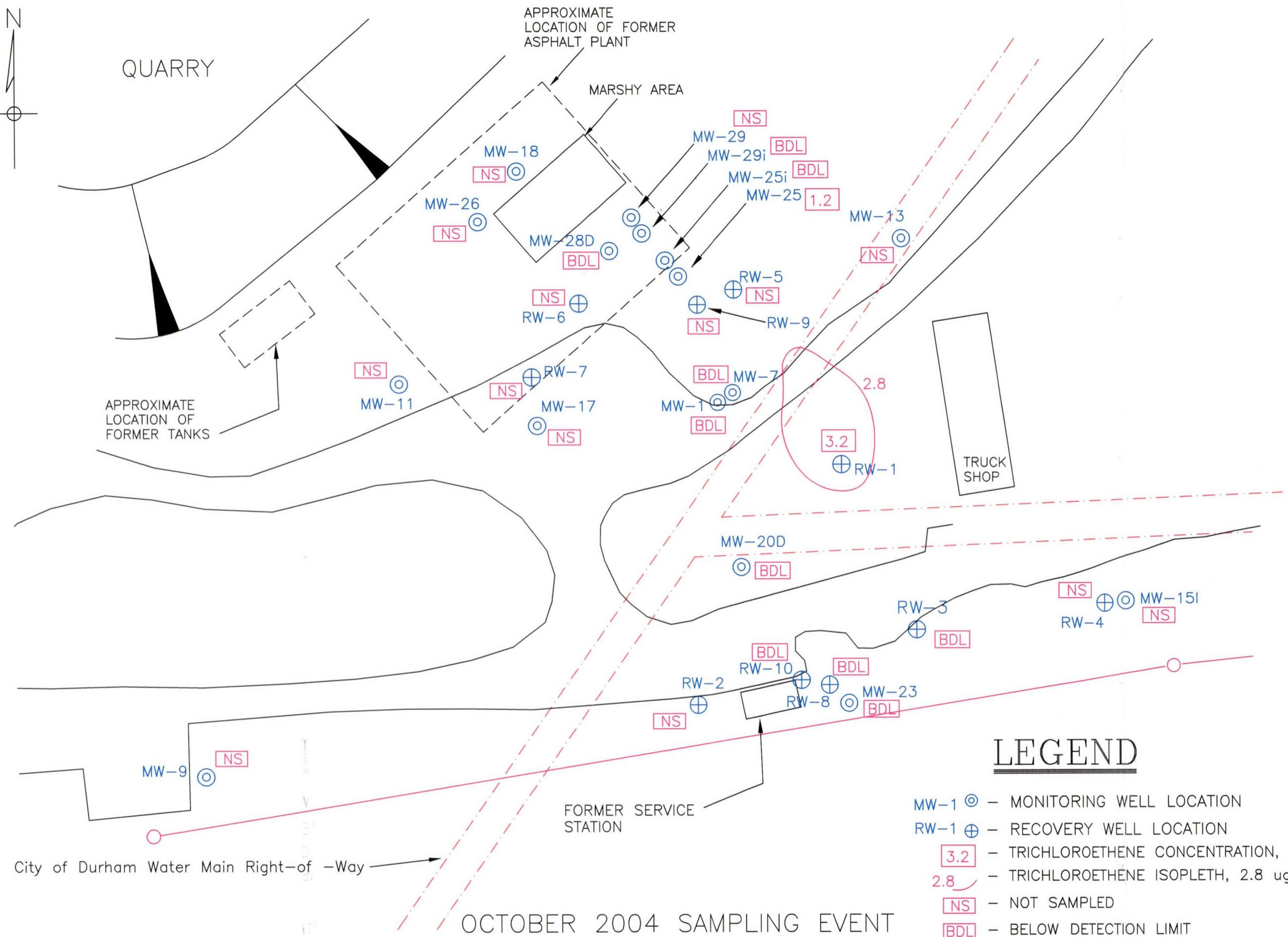


Quantum Environmental, Inc.
6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919)852-1997

FIGURE 6

VINYL CHLORIDE ISOCONCENTRATION MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571

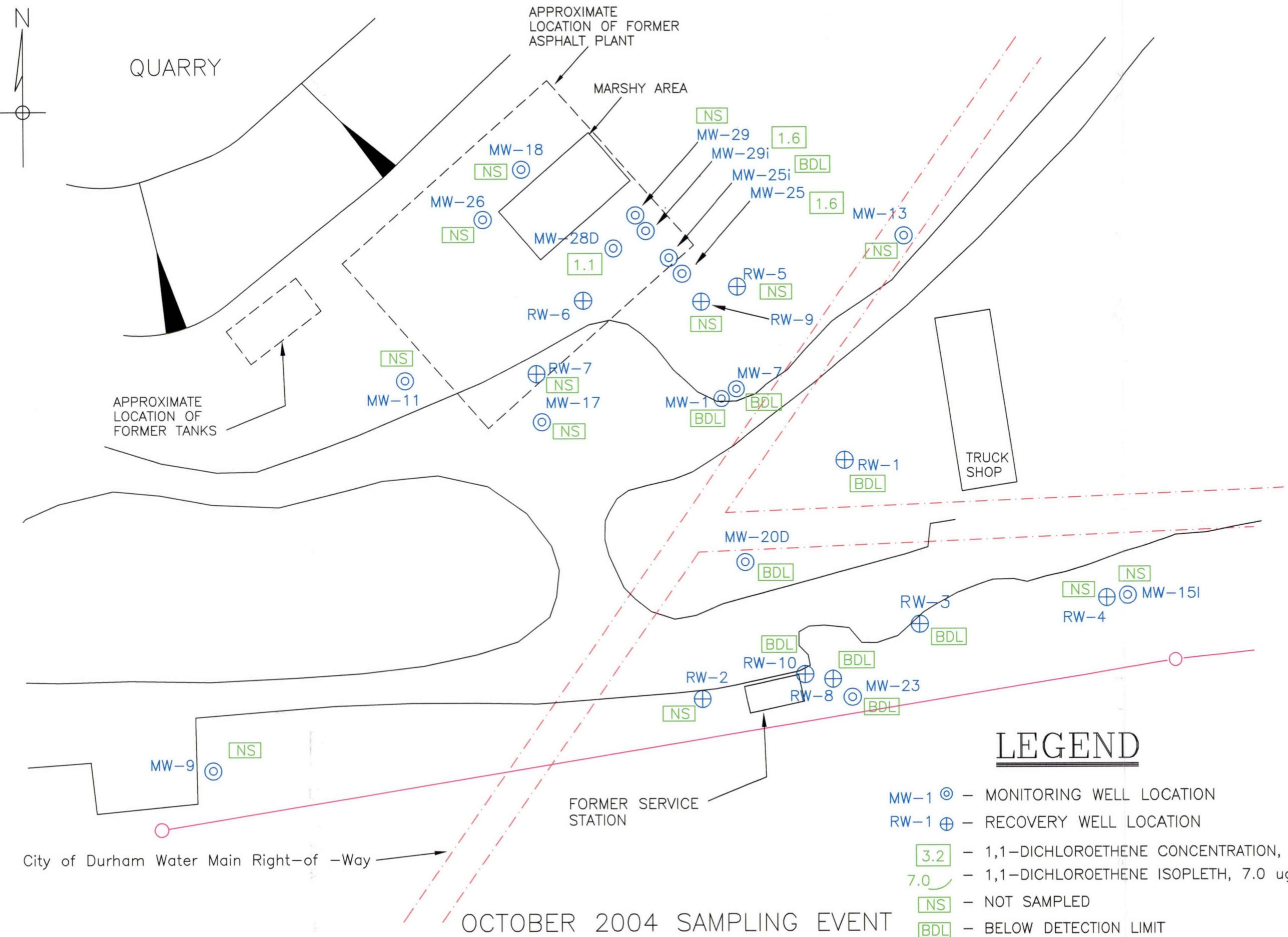


Quantum Environmental, Inc.
6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595
Fax: (919) 852-1997

FIGURE 7

TRICHLOROETHENE ISOCONCENTRATION MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions						
Project No.	0013-94-012					
SCALE: 1" = 75'						
DWN DATE	CHK DATE	CLIENT APPROVAL DATE				
15/97						



Quantum ENVIRONMENTAL, INC.
6001 Chapel Hill Rd. Suite 108
Raleigh North Carolina 27607
Phone: (919) 852-3595 Fax: (919)852-1997

FIGURE 8

1,1-DICHLOROETHENE ISOCONCENTRATION MAP
HANSON AGGREGATES
FORMER NELLO TEER QUARRY
DURHAM, NC

Revisions	Project No.
0	0013-94-012
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	
101	
102	
103	
104	
105	
106	
107	
108	
109	
110	
111	
112	
113	
114	
115	
116	
117	
118	
119	
120	
121	
122	
123	
124	
125	
126	
127	
128	
129	
130	
131	
132	
133	
134	
135	
136	
137	
138	
139	
140	
141	
142	
143	
144	
145	
146	
147	
148	
149	
150	
151	
152	
153	
154	
155	
156	
157	
158	
159	
160	
161	
162	
163	
164	
165	
166	
167	
168	
169	
170	
171	
172	
173	
174	
175	
176	
177	
178	
179	
180	
181	
182	
183	
184	
185	
186	
187	
188	
189	
190	
191	
192	
193	
194	
195	
196	
197	
198	
199	
200	
201	
202	
203	
204	
205	
206	
207	
208	
209	
210	
211	
212	
213	
214	
215	
216	
217	
218	
219	
220	
221	
222	
223	
224	
225	
226	
227	
228	
229	
230	
231	
232	
233	
234	
235	
236	
237	
238	
239	
240	
241	
242	
243	
244	
245	
246	
247	
248	
249	
250	
251	
252	
253	
254	
255	
256	
257	
258	
259	
260	
261	
262	
263	
264	
265	
266	
267	
268	
269	
270	
271	
272	
273	
274	
275	
276	
277	
278	
279	
280	
281	
282	
283	
284	
285	
286	
287	
288	
289	
290	
291	
292	
293	
294	
295	
296	
297	
298	
299	
300	
301	
302	
303	
304	
305	
306	
307	
308	
309	
310	
311	
312	
313	
314	
315	
316	
317	
318	
319	
320	
321	
322	
323	
324	
325	
326	
327	
328	
329	
330	
331	
332	
333	
334	
335	
336	
337	
338	
339	
340	
341	
342	
343	
344	
345	
346	
347	
348	
349	
350	
351	
352	
353	
354	
355	
356	
357	
358	
359	
360	
361	
362	
363	
364	
365	
366	
367	
368	
369	
370	
371	
372	
373	
374	
375	
376	
377	
378	
379	
380	
381	
382	
383	
384	
385	
386	
387	
388	
389	
390	
391	
392	
393	
394	
395	
396	
397	
398	
399	
400	
401	
402	
403	
404	
405	
406	
407	
408	
409	
410	
411	
412	
413	
414	
415	
416	
417	
418	
419	
420	
421	
422	
423	
424	
425	
426	
427	
428	
429	
430	
431	
432	
43	

Appendix A

Appendix A

Laboratory Analytical Results

and

Chain of Custody



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-1
Collected By : Davis
Collection Date : 10/06/04 12:50

ESC Sample # : L172736-01

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromoform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	10/13/04	1
Chloroform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Di-isopropyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	10/13/04	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Naphthalene	BDL	5.0	ug/l	601/602MS	10/13/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Toluene	BDL	5.0	ug/l	601/602MS	10/13/04	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
o-Xylene	BDL	1.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233


ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-1
Collected By : Davis
Collection Date : 10/06/04 12:50

ESC Sample # : L172736-01

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	BDL	2.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:56


Cheli Boucher, ESC Representative



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-7
Collected By : Davis
Collection Date : 10/05/04 15:08

ESC Sample # : L172736-02

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromoform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	10/13/04	1
Chloroform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Di-isopropyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	10/13/04	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Naphthalene	BDL	5.0	ug/l	601/602MS	10/13/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Toluene	BDL	5.0	ug/l	601/602MS	10/13/04	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
o-Xylene	BDL	1.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233


ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer

ESC Sample # : L172736-02

Sample ID : MW-7

Site ID :

Collected By : Davis
Collection Date : 10/05/04 15:08

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	BDL	2.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57


Cheli Boucher, ESC Representative



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-20D
Collected By : Davis
Collection Date : 10/05/04 13:05

ESC Sample # : L172736-03

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromoform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	10/13/04	1
Chloroform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Di-isopropyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	10/13/04	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Naphthalene	BDL	5.0	ug/l	601/602MS	10/13/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Toluene	BDL	5.0	ug/l	601/602MS	10/13/04	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
o-Xylene	BDL	1.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer

ESC Sample # : L172736-03

Sample ID : MW-20D

Site ID :

Collected By : Davis
Collection Date : 10/05/04 13:05

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	BDL	2.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Cb
Cheli Boucher, ESC Representative

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-23
Collected By : Davis
Collection Date : 10/05/04 17:00

ESC Sample # : L172736-04

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	12.	1.0	ug/l	601/602MS	10/13/04	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromoform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	10/13/04	1
Chloroform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Di-isopropyl ether	8.9	5.0	ug/l	601/602MS	10/13/04	1
Ethylbenzene	6.4	1.0	ug/l	601/602MS	10/13/04	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	10/13/04	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Naphthalene	11.	5.0	ug/l	601/602MS	10/13/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Toluene	BDL	5.0	ug/l	601/602MS	10/13/04	1
Vinyl chloride	BDL -	1.0	ug/l	601/602MS	10/13/04	1
o-Xylene	1.5	1.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-23
Collected By : Davis
Collection Date : 10/05/04 17:00

ESC Sample # : L172736-04

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	9.4	2.0	ug/l	601/602MS	10/13/04	1
Polynuclear Aromatic Hydrocarbons Extract Date						
Anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthene	19.	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(a)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(a)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Chrysene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluorene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
1-Methylnaphthalene	16.	1.0	ug/l	610HPLC	10/13/04	1
2-Methylnaphthalene	5.0	1.0	ug/l	610HPLC	10/13/04	1
Naphthalene	5.1	1.0	ug/l	610HPLC	10/13/04	1
Phenanthrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1

Cheli Boucher

ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-25
Collected By : Davis
Collection Date : 10/05/04 15:30

ESC Sample # : L172736-05

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	10/13/04	1
Bromoform	BDL	1.0	ug/l	601MS	10/13/04	1
Bromomethane	BDL	1.0	ug/l	601MS	10/13/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	10/13/04	1
Chlorobenzene	BDL	1.0	ug/l	601MS	10/13/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	10/13/04	1
Chloroethane	41.	1.0	ug/l	601MS	10/13/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	10/13/04	1
Chloroform	BDL	1.0	ug/l	601MS	10/13/04	1
Chloromethane	BDL	1.0	ug/l	601MS	10/13/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	10/13/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/13/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/13/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/13/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	10/13/04	1
1,1-Dichloroethane	46.	1.0	ug/l	601MS	10/13/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	10/13/04	1
1,1-Dichloroethene	1.6	1.0	ug/l	601MS	10/13/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	10/13/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	10/13/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	10/13/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	10/13/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	10/13/04	1
Methylene chloride	BDL	5.0	ug/l	601MS	10/13/04	1
Naphthalene	BDL	5.0	ug/l	601MS	10/13/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	10/13/04	1
Tetrachloroethene	BDL	1.0	ug/l	601MS	10/13/04	1
1,1,1-Trichloroethane	8.6	1.0	ug/l	601MS	10/13/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	10/13/04	1
Trichloroethene	1.2	1.0	ug/l	601MS	10/13/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	10/13/04	1
Vinyl chloride	15.	1.0	ug/l	601MS	10/13/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-25I
Collected By : Davis
Collection Date : 10/05/04 15:47

ESC Sample # : L172736-06

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	10.	ug/l	601MS	10/12/04	10
Bromoform	BDL	10.	ug/l	601MS	10/12/04	10
Bromomethane	BDL	10.	ug/l	601MS	10/12/04	10
Carbon Tetrachloride	BDL	10.	ug/l	601MS	10/12/04	10
Chlorobenzene	BDL	10.	ug/l	601MS	10/12/04	10
Chlorodibromomethane	BDL	10.	ug/l	601MS	10/12/04	10
Chloroethane	37.	10.	ug/l	601MS	10/12/04	10
2-Chloroethyl vinyl ether	BDL	500	ug/l	601MS	10/12/04	10
Chloroform	BDL	10.	ug/l	601MS	10/12/04	10
Chloromethane	BDL	10.	ug/l	601MS	10/12/04	10
1,2-Dibromoethane	BDL	10.	ug/l	601MS	10/12/04	10
1,2-Dichlorobenzene	BDL	10.	ug/l	601MS	10/12/04	10
1,3-Dichlorobenzene	BDL	10.	ug/l	601MS	10/12/04	10
1,4-Dichlorobenzene	BDL	10.	ug/l	601MS	10/12/04	10
Dichlorodifluoromethane	BDL	10.	ug/l	601MS	10/12/04	10
1,1-Dichloroethane	67.	10.	ug/l	601MS	10/12/04	10
1,2-Dichloroethane	BDL	10.	ug/l	601MS	10/12/04	10
1,1-Dichloroethene	BDL	10.	ug/l	601MS	10/12/04	10
cis-1,2-Dichloroethene	BDL	10.	ug/l	601MS	10/12/04	10
trans-1,2-Dichloroethene	BDL	10.	ug/l	601MS	10/12/04	10
1,2-Dichloropropane	BDL	10.	ug/l	601MS	10/12/04	10
cis-1,3-Dichloropropene	BDL	10.	ug/l	601MS	10/12/04	10
trans-1,3-Dichloropropene	BDL	10.	ug/l	601MS	10/12/04	10
Methylene chloride	BDL	50.	ug/l	601MS	10/12/04	10
Naphthalene	BDL	50.	ug/l	601MS	10/12/04	10
1,1,2,2-Tetrachloroethane	BDL	10.	ug/l	601MS	10/12/04	10
Tetrachloroethene	BDL	10.	ug/l	601MS	10/12/04	10
1,1,1-Trichloroethane	BDL	10.	ug/l	601MS	10/12/04	10
1,1,2-Trichloroethane	BDL	10.	ug/l	601MS	10/12/04	10
Trichloroethene	BDL	10.	ug/l	601MS	10/12/04	10
Trichlorofluoromethane	BDL	10.	ug/l	601MS	10/12/04	10
Vinyl chloride	20.	10.	ug/l	601MS	10/12/04	10

Cheli Boucher

ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-28D
Collected By : Davis
Collection Date : 10/06/04 13:30

ESC Sample # : L172736-07

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	10/12/04	1
Bromoform	BDL	1.0	ug/l	601MS	10/12/04	1
Bromomethane	BDL	1.0	ug/l	601MS	10/12/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	10/12/04	1
Chlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	10/12/04	1
Chloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	10/12/04	1
Chloroform	BDL	1.0	ug/l	601MS	10/12/04	1
Chloromethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,1-Dichloroethane	7.2	1.0	ug/l	601MS	10/12/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,1-Dichloroethene	1.1	1.0	ug/l	601MS	10/12/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	10/12/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	10/12/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	10/12/04	1
Methylene chloride	BDL	5.0	ug/l	601MS	10/12/04	1
Naphthalene	BDL	5.0	ug/l	601MS	10/12/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
Tetrachloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
Trichloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	10/12/04	1
Vinyl chloride	BDL	1.0	ug/l	601MS	10/12/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : MW-29I
Collected By : Davis
Collection Date : 10/05/04 16:17

ESC Sample # : L172736-08

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Bromodichloromethane	BDL	1.0	ug/l	601MS	10/12/04	1
Bromoform	BDL	1.0	ug/l	601MS	10/12/04	1
Bromomethane	BDL	1.0	ug/l	601MS	10/12/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601MS	10/12/04	1
Chlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601MS	10/12/04	1
Chloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601MS	10/12/04	1
Chloroform	BDL	1.0	ug/l	601MS	10/12/04	1
Chloromethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601MS	10/12/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,1-Dichloroethane	18.	1.0	ug/l	601MS	10/12/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
1,1-Dichloroethene	1.6	1.0	ug/l	601MS	10/12/04	1
cis-1,2-Dichloroethene	1.0	1.0	ug/l	601MS	10/12/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601MS	10/12/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	10/12/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601MS	10/12/04	1
Methylene chloride	BDL	5.0	ug/l	601MS	10/12/04	1
Naphthalene	BDL	5.0	ug/l	601MS	10/12/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
Tetrachloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
1,1,1-Trichloroethane	7.8	1.0	ug/l	601MS	10/12/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601MS	10/12/04	1
Trichloroethene	BDL	1.0	ug/l	601MS	10/12/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601MS	10/12/04	1
Vinyl chloride	9.4	1.0	ug/l	601MS	10/12/04	1

Cheli

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-1
Collected By : Davis
Collection Date : 10/06/04 12:03

ESC Sample # : L172736-09

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	4.6	1.0	ug/l	601/602MS	10/13/04	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromoform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Bromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	10/13/04	1
Chloroform	BDL	1.0	ug/l	601/602MS	10/13/04	1
Chloromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,2-Dichloroethene	1.4	1.0	ug/l	601/602MS	10/13/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	10/13/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Di-isopropyl ether	8.4	5.0	ug/l	601/602MS	10/13/04	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	10/13/04	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	10/13/04	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	10/13/04	1
Naphthalene	BDL	5.0	ug/l	601/602MS	10/13/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Trichloroethene	3.2	1.0	ug/l	601/602MS	10/13/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	10/13/04	1
Toluene	BDL	5.0	ug/l	601/602MS	10/13/04	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	10/13/04	1
o-Xylene	BDL	1.0	ug/l	601/602MS	10/13/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-1
Collected By : Davis
Collection Date : 10/06/04 12:03

ESC Sample # : L172736-09

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	BDL	2.0	ug/l	601/602MS	10/13/04	1
Polynuclear Aromatic Hydrocarbons Extract Date						
Anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthene	1.7	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(a)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(a)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(b)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(g,h,i)perylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(k)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Chrysene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluorene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
1-Methylnaphthalene	1.2	1.0	ug/l	610HPLC	10/13/04	1
2-Methylnaphthalene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Naphthalene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Phenanthrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-3
Collected By : Davis
Collection Date : 10/06/04 11:55

ESC Sample # : L172736-10

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	61.	50.	ug/l	601/602MS	10/13/04	50
Bromodichloromethane	BDL	50.	ug/l	601/602MS	10/13/04	50
Bromoform	BDL	50.	ug/l	601/602MS	10/13/04	50
Bromomethane	BDL	50.	ug/l	601/602MS	10/13/04	50
Carbon Tetrachloride	BDL	50.	ug/l	601/602MS	10/13/04	50
Chlorobenzene	BDL	50.	ug/l	601/602MS	10/13/04	50
Chlorodibromomethane	BDL	50.	ug/l	601/602MS	10/13/04	50
Chloroethane	BDL	50.	ug/l	601/602MS	10/13/04	50
2-Chloroethyl vinyl ether	BDL	2500	ug/l	601/602MS	10/13/04	50
Chloroform	BDL	50.	ug/l	601/602MS	10/13/04	50
Chloromethane	BDL	50.	ug/l	601/602MS	10/13/04	50
1,2-Dibromoethane	BDL	50.	ug/l	601/602MS	10/13/04	50
1,2-Dichlorobenzene	BDL	50.	ug/l	601/602MS	10/13/04	50
1,3-Dichlorobenzene	BDL	50.	ug/l	601/602MS	10/13/04	50
1,4-Dichlorobenzene	BDL	50.	ug/l	601/602MS	10/13/04	50
Dichlorodifluoromethane	BDL	50.	ug/l	601/602MS	10/13/04	50
1,1-Dichloroethane	BDL	50.	ug/l	601/602MS	10/13/04	50
1,2-Dichloroethane	BDL	50.	ug/l	601/602MS	10/13/04	50
1,1-Dichloroethene	BDL	50.	ug/l	601/602MS	10/13/04	50
cis-1,2-Dichloroethene	BDL	50.	ug/l	601/602MS	10/13/04	50
trans-1,2-Dichloroethene	BDL	50.	ug/l	601/602MS	10/13/04	50
1,2-Dichloropropane	BDL	50.	ug/l	601/602MS	10/13/04	50
cis-1,3-Dichloropropene	BDL	50.	ug/l	601/602MS	10/13/04	50
trans-1,3-Dichloropropene	BDL	50.	ug/l	601/602MS	10/13/04	50
Di-isopropyl ether	BDL	250	ug/l	601/602MS	10/13/04	50
Ethylbenzene	72.	50.	ug/l	601/602MS	10/13/04	50
Methylene chloride	BDL	250	ug/l	601/602MS	10/13/04	50
Methyl tert-butyl ether	BDL	250	ug/l	601/602MS	10/13/04	50
Naphthalene	BDL	250	ug/l	601/602MS	10/13/04	50
1,1,2,2-Tetrachloroethane	BDL	50.	ug/l	601/602MS	10/13/04	50
Tetrachloroethene	BDL	50.	ug/l	601/602MS	10/13/04	50
1,1,1-Trichloroethane	BDL	50.	ug/l	601/602MS	10/13/04	50
1,1,2-Trichloroethane	BDL	50.	ug/l	601/602MS	10/13/04	50
Trichloroethene	BDL	50.	ug/l	601/602MS	10/13/04	50
Trichlorofluoromethane	BDL	50.	ug/l	601/602MS	10/13/04	50
Toluene	BDL	250	ug/l	601/602MS	10/13/04	50
Vinyl chloride	BDL	50.	ug/l	601/602MS	10/13/04	50
o-Xylene	BDL	50.	ug/l	601/602MS	10/13/04	50

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-3
Collected By : Davis
Collection Date : 10/06/04 11:55

ESC Sample # : L172736-10

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	170	100	ug/l	601/602MS	10/13/04	50
Polynuclear Aromatic Hydrocarbons Extract Data						
Anthracene	BDL	10.	ug/l	610HPLC	10/13/04	10
Acenaphthene	740	10.	ug/l	610HPLC	10/13/04	10
Acenaphthylene	BDL	10.	ug/l	610HPLC	10/13/04	10
Benzo(a)anthracene	BDL	10.	ug/l	610HPLC	10/13/04	10
Benzo(a)pyrene	BDL	10.	ug/l	610HPLC	10/13/04	10
Benzo(b)fluoranthene	BDL	10.	ug/l	610HPLC	10/13/04	10
Benzo(g,h,i)perylene	BDL	10.	ug/l	610HPLC	10/13/04	10
Benzo(k)fluoranthene	BDL	10.	ug/l	610HPLC	10/13/04	10
Chrysene	BDL	10.	ug/l	610HPLC	10/13/04	10
Dibenz(a,h)anthracene	BDL	10.	ug/l	610HPLC	10/13/04	10
Fluoranthene	BDL	10.	ug/l	610HPLC	10/13/04	10
Fluorene	BDL	10.	ug/l	610HPLC	10/13/04	10
Indeno(1,2,3-cd)pyrene	BDL	10.	ug/l	610HPLC	10/13/04	10
1-Methylnaphthalene	190	10.	ug/l	610HPLC	10/13/04	10
2-Methylnaphthalene	190	10.	ug/l	610HPLC	10/13/04	10
Naphthalene	51.	10.	ug/l	610HPLC	10/13/04	10
Phenanthrene	BDL	10.	ug/l	610HPLC	10/13/04	10
Pyrene	BDL	10.	ug/l	610HPLC	10/13/04	10

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57


Cheli Boucher, ESC Representative



ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-8
Collected By : Davis
Collection Date : 10/06/04 09:15

ESC Sample # : L172736-11
Site ID :
Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	22.	5.0	ug/l	601/602MS	10/13/04	5
Bromodichloromethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
Bromoform	BDL	5.0	ug/l	601/602MS	10/13/04	5
Bromomethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
Carbon Tetrachloride	BDL	5.0	ug/l	601/602MS	10/13/04	5
Chlorobenzene	BDL	5.0	ug/l	601/602MS	10/13/04	5
Chlorodibromomethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
Chloroethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
2-Chloroethyl vinyl ether	BDL	250	ug/l	601/602MS	10/13/04	5
Chloroform	BDL	5.0	ug/l	601/602MS	10/13/04	5
Chloromethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,2-Dibromoethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,2-Dichlorobenzene	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,3-Dichlorobenzene	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,4-Dichlorobenzene	BDL	5.0	ug/l	601/602MS	10/13/04	5
Dichlorodifluoromethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,1-Dichloroethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,2-Dichloroethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,1-Dichloroethene	BDL	5.0	ug/l	601/602MS	10/13/04	5
cis-1,2-Dichloroethene	BDL	5.0	ug/l	601/602MS	10/13/04	5
trans-1,2-Dichloroethene	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,2-Dichloropropane	BDL	5.0	ug/l	601/602MS	10/13/04	5
cis-1,3-Dichloropropene	BDL	5.0	ug/l	601/602MS	10/13/04	5
trans-1,3-Dichloropropene	BDL	5.0	ug/l	601/602MS	10/13/04	5
Di-isopropyl ether	BDL	25.	ug/l	601/602MS	10/13/04	5
Ethylbenzene	11.	5.0	ug/l	601/602MS	10/13/04	5
Methylene chloride	BDL	25.	ug/l	601/602MS	10/13/04	5
Methyl tert-butyl ether	BDL	25.	ug/l	601/602MS	10/13/04	5
Naphthalene	79.	25.	ug/l	601/602MS	10/13/04	5
1,1,2,2-Tetrachloroethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
Tetrachloroethene	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,1,1-Trichloroethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
1,1,2-Trichloroethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
Trichloroethene	BDL	5.0	ug/l	601/602MS	10/13/04	5
Trichlorofluoromethane	BDL	5.0	ug/l	601/602MS	10/13/04	5
Toluene	BDL	25.	ug/l	601/602MS	10/13/04	5
Vinyl chloride	BDL	5.0	ug/l	601/602MS	10/13/04	5
o-Xylene	BDL	5.0	ug/l	601/602MS	10/13/04	5

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-8
Collected By : Davis
Collection Date : 10/06/04 09:15

ESC Sample # : L172736-11

Site ID :

Project # : 001394012 .

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	14.	10.	ug/l	601/602MS	10/13/04	5
Polynuclear Aromatic Hydrocarbons						
Extract Date						
Anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthene	25.	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(a)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(a)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(b)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Chrysene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluorene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
1-Methylnaphthalene	18.	1.0	ug/l	610HPLC	10/13/04	1
2-Methylnaphthalene	8.2	1.0	ug/l	610HPLC	10/13/04	1
Naphthalene	3.5	1.0	ug/l	610HPLC	10/13/04	1
Phenanthrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1

Cb

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57



ENVIRONMENTAL SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-10
Collected By : Davis
Collection Date : 10/06/04 08:55

ESC Sample # : L172736-12

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	BDL	5.0	ug/l	601/602MS	10/15/04	5
Bromodichloromethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
Bromoform	BDL	5.0	ug/l	601/602MS	10/15/04	5
Bromomethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
Carbon Tetrachloride	BDL	5.0	ug/l	601/602MS	10/15/04	5
Chlorobenzene	BDL	5.0	ug/l	601/602MS	10/15/04	5
Chlorodibromomethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
Chloroethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
2-Chloroethyl vinyl ether	BDL	250	ug/l	601/602MS	10/15/04	5
Chloroform	BDL	5.0	ug/l	601/602MS	10/15/04	5
Chloromethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,2-Dibromoethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,2-Dichlorobenzene	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,3-Dichlorobenzene	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,4-Dichlorobenzene	BDL	5.0	ug/l	601/602MS	10/15/04	5
Dichlorodifluoromethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,1-Dichloroethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,2-Dichloroethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,1-Dichloroethene	BDL	5.0	ug/l	601/602MS	10/15/04	5
cis-1,2-Dichloroethene	BDL	5.0	ug/l	601/602MS	10/15/04	5
trans-1,2-Dichloroethene	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,2-Dichloropropane	BDL	5.0	ug/l	601/602MS	10/15/04	5
cis-1,3-Dichloropropene	BDL	5.0	ug/l	601/602MS	10/15/04	5
trans-1,3-Dichloropropene	BDL	5.0	ug/l	601/602MS	10/15/04	5
Di-isopropyl ether	BDL	25.	ug/l	601/602MS	10/15/04	5
Ethylbenzene	27.	5.0	ug/l	601/602MS	10/15/04	5
Methylene chloride	BDL	25.	ug/l	601/602MS	10/15/04	5
Methyl tert-butyl ether	BDL	25.	ug/l	601/602MS	10/15/04	5
Naphthalene	180	25.	ug/l	601/602MS	10/15/04	5
1,1,2,2-Tetrachloroethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
Tetrachloroethene	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,1,1-Trichloroethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
1,1,2-Trichloroethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
Trichloroethene	BDL	5.0	ug/l	601/602MS	10/15/04	5
Trichlorofluoromethane	BDL	5.0	ug/l	601/602MS	10/15/04	5
Toluene	BDL	25.	ug/l	601/602MS	10/15/04	5
Vinyl chloride	BDL	5.0	ug/l	601/602MS	10/15/04	5
o-Xylene	BDL	5.0	ug/l	601/602MS	10/15/04	5

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : RW-10
Collected By : Davis
Collection Date : 10/06/04 08:55

ESC Sample # : L172736-12

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	40.	10.	ug/l	601/602MS	10/15/04	5
Polynuclear Aromatic Hydrocarbons Extract Date						
Anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Acenaphthene	130	10.	ug/l	610HPLC	10/13/04	10
Acenaphthylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benz(a)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(a)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(b)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(g,h,i)perylene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Benzo(k)fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Chrysene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Dibenz(a,h)anthracene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluoranthene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Fluorene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Indeno(1,2,3-cd)pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
1-Methylnaphthalene	82.	10.	ug/l	610HPLC	10/13/04	10
2-Methylnaphthalene	82.	10.	ug/l	610HPLC	10/13/04	10
Naphthalene	30.	10.	ug/l	610HPLC	10/13/04	10
Phenanthrene	BDL	1.0	ug/l	610HPLC	10/13/04	1
Pyrene	BDL	1.0	ug/l	610HPLC	10/13/04	1

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

October 15, 2004

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : TRIP BLANK
Collected By : Davis
Collection Date : 10/06/04 00:00

ESC Sample # : L172736-13

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Volatile Organics						
Benzene	BDL	1.0	ug/l	601/602MS	10/12/04	1
Bromodichloromethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
Bromoform	BDL	1.0	ug/l	601/602MS	10/12/04	1
Bromomethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
Carbon Tetrachloride	BDL	1.0	ug/l	601/602MS	10/12/04	1
Chlorobenzene	BDL	1.0	ug/l	601/602MS	10/12/04	1
Chlorodibromomethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
Chloroethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
2-Chloroethyl vinyl ether	BDL	50.	ug/l	601/602MS	10/12/04	1
Chloroform	BDL	1.0	ug/l	601/602MS	10/12/04	1
Chloromethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,2-Dibromoethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,2-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,3-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,4-Dichlorobenzene	BDL	1.0	ug/l	601/602MS	10/12/04	1
Dichlorodifluoromethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,1-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,2-Dichloroethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,1-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/12/04	1
cis-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/12/04	1
trans-1,2-Dichloroethene	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,2-Dichloropropane	BDL	1.0	ug/l	601/602MS	10/12/04	1
cis-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/12/04	1
trans-1,3-Dichloropropene	BDL	1.0	ug/l	601/602MS	10/12/04	1
Di-isopropyl ether	BDL	5.0	ug/l	601/602MS	10/12/04	1
Ethylbenzene	BDL	1.0	ug/l	601/602MS	10/12/04	1
Methylene chloride	BDL	5.0	ug/l	601/602MS	10/12/04	1
Methyl tert-butyl ether	BDL	5.0	ug/l	601/602MS	10/12/04	1
Naphthalene	BDL	5.0	ug/l	601/602MS	10/12/04	1
1,1,2,2-Tetrachloroethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
Tetrachloroethene	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,1,1-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
1,1,2-Trichloroethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
Trichloroethene	BDL	1.0	ug/l	601/602MS	10/12/04	1
Trichlorofluoromethane	BDL	1.0	ug/l	601/602MS	10/12/04	1
Toluene	BDL	5.0	ug/l	601/602MS	10/12/04	1
Vinyl chloride	BDL	1.0	ug/l	601/602MS	10/12/04	1
o-Xylene	BDL	1.0	ug/l	601/602MS	10/12/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233


ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

October 15, 2004

Mr. Tom Davis
Quantum Environmental Inc.
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Date Received : October 07, 2004
Description : Nello Teer
Sample ID : TRIP BLANK
Collected By : Davis
Collection Date : 10/06/04 00:00

ESC Sample # : L172736-13

Site ID :

Project # : 001394012

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
m&p-Xylene	BDL	2.0	ug/l	601/602MS	10/12/04	1

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01
KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/15/04 13:56 Printed: 10/15/04 13:57


Cheli Boucher, ESC Representative

Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L172736-01	Chloromethane	J4
	1,3-Dichlorobenzene	J4
	Dichlorodifluoromethane	J4
	Trichlorofluoromethane	J4
	Vinyl chloride	J4
	o-Xylene	J4
	Chloromethane	J4
L172736-02	1,3-Dichlorobenzene	J4
	Dichlorodifluoromethane	J4
	Trichlorofluoromethane	J4
	Vinyl chloride	J4
	o-Xylene	J4
	Chloromethane	J4
	1,3-Dichlorobenzene	J4
L172736-03	Dichlorodifluoromethane	J4
	Trichlorofluoromethane	J4
	Vinyl chloride	J4
	o-Xylene	J4
	Chloromethane	J4
	1,3-Dichlorobenzene	J4
	Chloromethane	J4
L172736-04	1,3-Dichlorobenzene	J4
	Dichlorodifluoromethane	J4
	Trichlorofluoromethane	J4
	Vinyl chloride	J4
	o-Xylene	J4
	Chloromethane	J4
	1,3-Dichlorobenzene	J4
L172736-05	Dichlorodifluoromethane	J4
	Trichlorofluoromethane	J4
	Vinyl chloride	J4
	o-Xylene	J4
	Chloromethane	J4
	1,3-Dichlorobenzene	J4
	Chloromethane	J4
L172736-06	Dichlorodifluoromethane	J4
	Trichlorofluoromethane	J4
L172736-07	Vinyl chloride	J4
	trans-1,3-Dichloropropene	J4
L172736-08	Naphthalene	J4
	trans-1,3-Dichloropropene	J4
L172736-09	Naphthalene	J4
	trans-1,3-Dichloropropene	J4
L172736-10	Naphthalene	J4
	trans-1,3-Dichloropropene	J4
L172736-11	Di-isopropyl ether	J3
	Naphthalene	J4
L172736-12	Bromomethane	J4
	Chloromethane	J4
	Dichlorodifluoromethane	J4
	1,2-Dichloroethane	J3
	trans-1,3-Dichloropropene	J4
	Di-isopropyl ether	J3
	Methylene chloride	J3
	Naphthalene	J4
	Vinyl chloride	J4
	Chloromethane	J4
L172736-13	Trichlorofluoromethane	J4
	Vinyl chloride	J4
	trans-1,3-Dichloropropene	J4
	Di-isopropyl ether	J3
	Naphthalene	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

		Control Limits	(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromfluoromethane 79-126 83-119
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8 81-114 82-116
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene 65-129 72-126

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II
L172736

October 15, 2004

Chalyte	Result	Laboratory Blank Units	Date Analyzed	Batch
1-Methylnaphthalene	< .0001	mg/l	10/13/04 15:00	WG174557
2-Methylnaphthalene	< .0001	mg/l	10/13/04 15:00	WG174557
Cenaphthene	< .0001	mg/l	10/13/04 15:00	WG174557
Cenaphthylene	< .0001	mg/l	10/13/04 15:00	WG174557
Anthracene	< .0001	mg/l	10/13/04 15:00	WG174557
Benzo(a)anthracene	< .0001	mg/l	10/13/04 15:00	WG174557
Benzo(a)pyrene	< .0001	mg/l	10/13/04 15:00	WG174557
Benzo(b)fluoranthene	< .0001	mg/l	10/13/04 15:00	WG174557
Benzo(g,h,i)perylene	< .0001	mg/l	10/13/04 15:00	WG174557
Benzo(k)fluoranthene	< .0001	mg/l	10/13/04 15:00	WG174557
Chrysene	< .0001	mg/l	10/13/04 15:00	WG174557
Dibenz(a,h)anthracene	< .0001	mg/l	10/13/04 15:00	WG174557
Fluoranthene	< .0001	mg/l	10/13/04 15:00	WG174557
Fluorene	< .0001	mg/l	10/13/04 15:00	WG174557
Indeno(1,2,3-cd)pyrene	< .0001	mg/l	10/13/04 15:00	WG174557
Naphthalene	< .0001	mg/l	10/13/04 15:00	WG174557
Phenanthrene	< .0001	mg/l	10/13/04 15:00	WG174557
Pyrene	< .0001	mg/l	10/13/04 15:00	WG174557
1,1,1-Trichloroethane	< .001	mg/l	10/12/04 23:03	WG174570
1,1,2,2-Tetrachloroethane	< .001	mg/l	10/12/04 23:03	WG174570
1,1,2-Trichloroethane	< .001	mg/l	10/12/04 23:03	WG174570
1,1-Dichloroethane	< .001	mg/l	10/12/04 23:03	WG174570
1,1-Dichloroethene	< .001	mg/l	10/12/04 23:03	WG174570
1,2-Dibromoethane	< .001	mg/l	10/12/04 23:03	WG174570
1,2-Dichlorobenzene	< .001	mg/l	10/12/04 23:03	WG174570
1,2-Dichloroethane	< .001	mg/l	10/12/04 23:03	WG174570
1,2-Dichloropropane	< .001	mg/l	10/12/04 23:03	WG174570
1,3-Dichlorobenzene	< .001	mg/l	10/12/04 23:03	WG174570
1,4-Dichlorobenzene	< .001	mg/l	10/12/04 23:03	WG174570
2-Chloroethyl vinyl ether	< .05	mg/l	10/12/04 23:03	WG174570
Benzene	< .001	mg/l	10/12/04 23:03	WG174570
Bromodichloromethane	< .001	mg/l	10/12/04 23:03	WG174570
Bromoform	< .001	mg/l	10/12/04 23:03	WG174570
Bromomethane	< .001	mg/l	10/12/04 23:03	WG174570
Carbon Tetrachloride	< .001	mg/l	10/12/04 23:03	WG174570
Chlorobenzene	< .001	mg/l	10/12/04 23:03	WG174570
Chlorodibromomethane	< .001	mg/l	10/12/04 23:03	WG174570
Chloroethane	< .001	mg/l	10/12/04 23:03	WG174570
Chloroform	< .005	mg/l	10/12/04 23:03	WG174570
Chloromethane	< .001	mg/l	10/12/04 23:03	WG174570
cis-1,2-Dichloroethene	< .001	mg/l	10/12/04 23:03	WG174570
cis-1,3-Dichloropropene	< .001	mg/l	10/12/04 23:03	WG174570
Di-isopropyl ether	< .001	mg/l	10/12/04 23:03	WG174570
Dichlorodifluoromethane	< .001	mg/l	10/12/04 23:03	WG174570
Methylbenzene	< .001	mg/l	10/12/04 23:03	WG174570
p-Xylene	< .002	mg/l	10/12/04 23:03	WG174570
Methyl tert-butyl ether	< .001	mg/l	10/12/04 23:03	WG174570
Methylene chloride	< .005	mg/l	10/12/04 23:03	WG174570
Naphthalene	< .005	mg/l	10/12/04 23:03	WG174570
Xylene	< .001	mg/l	10/12/04 23:03	WG174570
Tetrachloroethene	< .001	mg/l	10/12/04 23:03	WG174570
Toluene	< .005	mg/l	10/12/04 23:03	WG174570
trans-1,2-Dichloroethene	< .001	mg/l	10/12/04 23:03	WG174570
trans-1,3-Dichloropropene	< .001	mg/l	10/12/04 23:03	WG174570
Trichloroethene	< .001	mg/l	10/12/04 23:03	WG174570
Trichlorofluoromethane	< .001	mg/l	10/12/04 23:03	WG174570
Vinyl chloride	< .001	mg/l	10/12/04 23:03	WG174570
1,1-Trichloroethane	< .001	mg/l	10/12/04 18:45	WG174586

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II
L172736

October 15, 2004

Analyte	Result	Laboratory Blank Units	Date Analyzed	Batch
1,1,2,2-Tetrachloroethane	< .001	mg/l	10/12/04 18:45	WG174586
1,1,2-Trichloroethane	< .001	mg/l	10/12/04 18:45	WG174586
1,1-Dichloroethene	< .001	mg/l	10/12/04 18:45	WG174586
1,2-Dibromoethane	< .001	mg/l	10/12/04 18:45	WG174586
1,2-Dichlorobenzene	< .001	mg/l	10/12/04 18:45	WG174586
1,2-Dichloroethane	< .001	mg/l	10/12/04 18:45	WG174586
1,2-Dichloropropane	< .001	mg/l	10/12/04 18:45	WG174586
1,3-Dichlorobenzene	< .001	mg/l	10/12/04 18:45	WG174586
1,4-Dichlorobenzene	< .001	mg/l	10/12/04 18:45	WG174586
2-Chloroethyl vinyl ether	< .001	mg/l	10/12/04 18:45	WG174586
Benzene	< .001	mg/l	10/12/04 18:45	WG174586
Bromodichloromethane	< .001	mg/l	10/12/04 18:45	WG174586
Bromoform	< .001	mg/l	10/12/04 18:45	WG174586
Bromomethane	< .001	mg/l	10/12/04 18:45	WG174586
Carbon Tetrachloride	< .001	mg/l	10/12/04 18:45	WG174586
Chlorobenzene	< .001	mg/l	10/12/04 18:45	WG174586
Chlorodibromomethane	< .001	mg/l	10/12/04 18:45	WG174586
Chloroethane	< .001	mg/l	10/12/04 18:45	WG174586
Chloroform	< .005	mg/l	10/12/04 18:45	WG174586
Chloromethane	< .001	mg/l	10/12/04 18:45	WG174586
cis-1,2-Dichloroethene	< .001	mg/l	10/12/04 18:45	WG174586
cis-1,3-Dichloropropene	< .001	mg/l	10/12/04 18:45	WG174586
di-isopropyl ether	< .001	mg/l	10/12/04 18:45	WG174586
Dichlorodifluoromethane	< .001	mg/l	10/12/04 18:45	WG174586
Ethylbenzene	< .001	mg/l	10/12/04 18:45	WG174586
p-Xylene	< .002	mg/l	10/12/04 18:45	WG174586
Methyl tert-butyl ether	< .001	mg/l	10/12/04 18:45	WG174586
Methylene chloride	< .005	mg/l	10/12/04 18:45	WG174586
Naphthalene	< .005	mg/l	10/12/04 18:45	WG174586
o-Xylene	< .001	mg/l	10/12/04 18:45	WG174586
o-Tetrachloroethene	< .001	mg/l	10/12/04 18:45	WG174586
o-xylene	< .005	mg/l	10/12/04 18:45	WG174586
trans-1,2-Dichloroethene	< .001	mg/l	10/12/04 18:45	WG174586
trans-1,3-Dichloropropene	< .001	mg/l	10/12/04 18:45	WG174586
Trichloroethene	< .001	mg/l	10/12/04 18:45	WG174586
Trichlorofluoromethane	< .001	mg/l	10/12/04 18:45	WG174586
Vinyl chloride	< .001	mg/l	10/12/04 18:45	WG174586
1,1,1-Trichloroethane	< .001	mg/l	10/13/04 18:26	WG174753
1,1,2-Tetrachloroethane	< .001	mg/l	10/13/04 18:26	WG174753
1,1,2-Trichloroethane	< .001	mg/l	10/13/04 18:26	WG174753
1,1-Dichloroethane	< .001	mg/l	10/13/04 18:26	WG174753
1,1-Dichloroethene	< .001	mg/l	10/13/04 18:26	WG174753
1,2-Dibromoethane	< .001	mg/l	10/13/04 18:26	WG174753
1,2-Dichlorobenzene	< .001	mg/l	10/13/04 18:26	WG174753
1,2-Dichloroethane	< .001	mg/l	10/13/04 18:26	WG174753
1,2-Dichloropropane	< .001	mg/l	10/13/04 18:26	WG174753
1,3-Dichlorobenzene	< .001	mg/l	10/13/04 18:26	WG174753
1,4-Dichlorobenzene	< .001	mg/l	10/13/04 18:26	WG174753
2-Chloroethyl vinyl ether	< .001	mg/l	10/13/04 18:26	WG174753
Benzene	< .001	mg/l	10/13/04 18:26	WG174753
Bromodichloromethane	< .001	mg/l	10/13/04 18:26	WG174753
Bromoform	< .001	mg/l	10/13/04 18:26	WG174753
Bromomethane	< .001	mg/l	10/13/04 18:26	WG174753
Carbon Tetrachloride	< .001	mg/l	10/13/04 18:26	WG174753
Chlorobenzene	< .001	mg/l	10/13/04 18:26	WG174753
Chlorodibromomethane	< .001	mg/l	10/13/04 18:26	WG174753
Chloroethane	< .001	mg/l	10/13/04 18:26	WG174753
chloroform	< .005	mg/l	10/13/04 18:26	WG174753



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II
L172736

October 15, 2004

Chloromethane	< .001	mg/l	10/13/04 18:26	WG174753
---------------	--------	------	----------------	----------

Analyte	Result	Laboratory Blank Units	Date Analyzed	Batch
cis-1,2-Dichloroethene	< .001	mg/l	10/13/04 18:26	WG174753
cis-1,3-Dichloropropene	< .001	mg/l	10/13/04 18:26	WG174753
Di-isopropyl ether	< .001	mg/l	10/13/04 18:26	WG174753
Dichlorodifluoromethane	< .001	mg/l	10/13/04 18:26	WG174753
Ethylbenzene	< .001	mg/l	10/13/04 18:26	WG174753
m&p-Xylene	< .002	mg/l	10/13/04 18:26	WG174753
Methyl tert-butyl ether	< .001	mg/l	10/13/04 18:26	WG174753
Methylene chloride	< .005	mg/l	10/13/04 18:26	WG174753
Naphthalene	< .005	mg/l	10/13/04 18:26	WG174753
o-Xylene	< .001	mg/l	10/13/04 18:26	WG174753
Tetrachloroethene	< .001	mg/l	10/13/04 18:26	WG174753
Toluene	< .005	mg/l	10/13/04 18:26	WG174753
trans-1,2-Dichloroethene	< .001	mg/l	10/13/04 18:26	WG174753
trans-1,3-Dichloropropene	< .001	mg/l	10/13/04 18:26	WG174753
Trichloroethene	< .001	mg/l	10/13/04 18:26	WG174753
Trichlorofluoromethane	< .001	mg/l	10/13/04 18:26	WG174753
Vinyl chloride	< .001	mg/l	10/13/04 18:26	WG174753
1,1,1-Trichloroethane	< .001	mg/l	10/14/04 22:47	WG174911
1,1,2,2-Tetrachloroethane	< .001	mg/l	10/14/04 22:47	WG174911
1,1,2-Trichloroethane	< .001	mg/l	10/14/04 22:47	WG174911
1,1-Dichloroethane	< .001	mg/l	10/14/04 22:47	WG174911
1,1-Dichloroethene	< .001	mg/l	10/14/04 22:47	WG174911
1,2-Dibromoethane	< .001	mg/l	10/14/04 22:47	WG174911
1,2-Dichlorobenzene	< .001	mg/l	10/14/04 22:47	WG174911
1,2-Dichloroethane	< .001	mg/l	10/14/04 22:47	WG174911
1,2-Dichloropropane	< .001	mg/l	10/14/04 22:47	WG174911
1,3-Dichlorobenzene	< .001	mg/l	10/14/04 22:47	WG174911
1,4-Dichlorobenzene	< .001	mg/l	10/14/04 22:47	WG174911
2-Chloroethyl vinyl ether	< .001	mg/l	10/14/04 22:47	WG174911
Benzene	< .001	mg/l	10/14/04 22:47	WG174911
Bromodichloromethane	< .001	mg/l	10/14/04 22:47	WG174911
Bromoform	< .001	mg/l	10/14/04 22:47	WG174911
Bromomethane	< .001	mg/l	10/14/04 22:47	WG174911
Carbon Tetrachloride	< .001	mg/l	10/14/04 22:47	WG174911
Chlorobenzene	< .001	mg/l	10/14/04 22:47	WG174911
Chlorodibromomethane	< .001	mg/l	10/14/04 22:47	WG174911
Chloroethane	< .001	mg/l	10/14/04 22:47	WG174911
Chloroform	< .005	mg/l	10/14/04 22:47	WG174911
Chloromethane	< .001	mg/l	10/14/04 22:47	WG174911
cis-1,2-Dichloroethene	< .001	mg/l	10/14/04 22:47	WG174911
cis-1,3-Dichloropropene	< .001	mg/l	10/14/04 22:47	WG174911
Di-isopropyl ether	< .001	mg/l	10/14/04 22:47	WG174911
Dichlorodifluoromethane	< .001	mg/l	10/14/04 22:47	WG174911
Ethylbenzene	< .001	mg/l	10/14/04 22:47	WG174911
m&p-Xylene	< .002	mg/l	10/14/04 22:47	WG174911
Methyl tert-butyl ether	< .001	mg/l	10/14/04 22:47	WG174911
Methylene chloride	< .005	mg/l	10/14/04 22:47	WG174911
Naphthalene	< .005	mg/l	10/14/04 22:47	WG174911
o-Xylene	< .001	mg/l	10/14/04 22:47	WG174911
Tetrachloroethene	< .001	mg/l	10/14/04 22:47	WG174911
Toluene	< .005	mg/l	10/14/04 22:47	WG174911
trans-1,2-Dichloroethene	< .001	mg/l	10/14/04 22:47	WG174911
trans-1,3-Dichloropropene	< .001	mg/l	10/14/04 22:47	WG174911
Trichloroethene	< .001	mg/l	10/14/04 22:47	WG174911
Trichlorofluoromethane	< .001	mg/l	10/14/04 22:47	WG174911
Vinyl chloride	< .001	mg/l	10/14/04 22:47	WG174911

Laboratory Control Sample



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II

L172736

October 15, 2004

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
-Methylnaphthalene	mg/l	.004	0.00273	68.2	42-99	WG174557
-Methylnaphthalene	mg/l	.004	0.00287	71.8	46-102	WG174557
Acenaphthene	mg/l	.004	0.00317	79.2	49-113	WG174557
Acenaphthylene	mg/l	.004	0.00329	82.2	57-115	WG174557
Anthracene	mg/l	.004	0.00439	110.	58-120	WG174557
Benz(a)anthracene	mg/l	.004	0.00316	79.0	54-108	WG174557
Benz(a)pyrene	mg/l	.004	0.00261	65.2	47-105	WG174557
Benz(b)fluoranthene	mg/l	.004	0.00240	60.0	49-106	WG174557
Benzo(g,h,i)perylene	mg/l	.004	0.00228	56.9	31-100	WG174557
Benzo(k)fluoranthene	mg/l	.004	0.00245	61.2	47-105	WG174557
Chrysene	mg/l	.004	0.00265	66.4	49-124	WG174557
Dibenz(a,h)anthracene	mg/l	.004	0.00226	56.5	33-101	WG174557
Fluoranthene	mg/l	.004	0.00300	75.0	61-117	WG174557
Fluorene	mg/l	.004	0.00333	83.3	55-114	WG174557
Indeno(1,2,3-cd)pyrene	mg/l	.004	0.00223	55.8	36-1014	WG174557
Naphthalene	mg/l	.004	0.00275	68.8	38-112	WG174557
Phenanthrene	mg/l	.004	0.00323	80.8	53-123	WG174557
Pyrene	mg/l	.004	0.00324	80.9	62-124	WG174557
,1,1-Trichloroethane	mg/l	.02	0.0214	107.	71-122	WG174570
,1,2,2-Tetrachloroethane	mg/l	.02	0.0216	108.	78-120	WG174570
,1,1,2-Trichloroethane	mg/l	.02	0.0215	108.	82-117	WG174570
,1,1-Dichloroethane	mg/l	.02	0.0200	99.9	59-135	WG174570
,1-Dichloroethene	mg/l	.02	0.0217	108.	60-166	WG174570
,2-Dibromoethane	mg/l	.02	0.0217	109.	79-121	WG174570
,2-Dichlorobenzene	mg/l	.02	0.0216	108.	83-113	WG174570
,2-Dichloroethane	mg/l	.02	0.0233	116.	81-122	WG174570
,2-Dichloropropane	mg/l	.02	0.0199	99.4	74-125	WG174570
,3-Dichlorobenzene	mg/l	.02	0.0249	124.	80-124	WG174570
,4-Dichlorobenzene	mg/l	.02	0.0212	106.	84-115	WG174570
,2-Chloroethyl vinyl ether	mg/l	.1	0.0683	68.3	15-161	WG174570
Benzene	mg/l	.02	0.0196	97.8	75-133	WG174570
Bromodichloromethane	mg/l	.02	0.0230	115.	76-117	WG174570
Bromoform	mg/l	.02	0.0234	117.	72-125	WG174570
Bromomethane	mg/l	.02	0.0223	111.	25-170	WG174570
Carbon Tetrachloride	mg/l	.02	0.0227	114.	65-127	WG174570
Chlorobenzene	mg/l	.02	0.0226	113.	79-117	WG174570
Chlorodibromomethane	mg/l	.02	0.0227	114.	76-115	WG174570
Chloroethane	mg/l	.02	0.0249	125.	37-130	WG174570
Chloroform	mg/l	.02	0.0214	107.	70-119	WG174570
Chloromethane	mg/l	.02	0.0268	134.	39-109	WG174570
cis-1,2-Dichloroethene	mg/l	.02	0.0203	102.	72-128	WG174570
cis-1,3-Dichloropropene	mg/l	.02	0.0216	108.	86-137	WG174570
i-isopropyl ether	mg/l	.02	0.0198	99.0	54-147	WG174570
1-chlorodifluoromethane	mg/l	.02	0.0319	160.	14-133	WG174570
Ethylbenzene	mg/l	.02	0.0220	110.	76-115	WG174570
m,p-Xylene	mg/l	.04	0.0445	111.	73-124	WG174570
ethyl tert-butyl ether	mg/l	.02	0.0188	93.9	65-129	WG174570
Ethylene chloride	mg/l	.02	0.0197	98.3	60-127	WG174570
Naphthalene	mg/l	.02	0.0205	102.	51-127	WG174570
o-Xylene	mg/l	.02	0.0226	113.	76-118	WG174570
Tetrachloroethene	mg/l	.02	0.0219	109.	71-132	WG174570
Toluene	mg/l	.02	0.0204	102.	71-125	WG174570
trans-1,2-Dichloroethene	mg/l	.02	0.0216	108.	65-141	WG174570
trans-1,3-Dichloropropene	mg/l	.02	0.0193	96.6	82-132	WG174570
Trichloroethene	mg/l	.02	0.0205	103.	81-129	WG174570
Trichlorofluoromethane	mg/l	.02	0.0229	114.	46-94	WG174570
Vinyl chloride	mg/l	.02	0.0241	120.	40-95	WG174570
1,1,1-Trichloroethane	mg/l	.02	0.0201	100.	71-122	WG174586
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0191	95.7	78-120	WG174586
1,1,2-Trichloroethane	mg/l	.02	0.0190	94.9	82-117	WG174586

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

L172736

October 15, 2004

Analyte	Units	Laboratory Control Known Val	Sample Result	% Rec	Limit	Batch
1,1-Dichloroethane	mg/l	.02	0.0187	93.4	59-135	WG174586
,2-Dibromoethane	mg/l	.02	0.0192	96.1	79-121	WG174586
,2-Dichlorobenzene	mg/l	.05	0.0202	40.3	83-113	WG174586
,1,2-Dichloroethane	mg/l	.02	0.0210	105.1	81-122	WG174586
,1,2-Dichloropropane	mg/l	.02	0.0179	89.7	74-125	WG174586
,1,3-Dichlorobenzene	mg/l	.05	0.0220	44.0	80-124	WG174586
,4-Dichlorobenzene	mg/l	.05	0.0198	39.5	84-115	WG174586
-Chloroethyl vinyl ether	mg/l	.1	0.0595	59.5	15-161	WG174586
Benzene	mg/l	.02	0.0186	93.1	75-133	WG174586
Bromodichloromethane	mg/l	.02	0.0204	102.0	76-117	WG174586
Bromoform	mg/l	.02	0.0225	113.0	72-125	WG174586
Bromomethane	mg/l	.02	0.00823	41.2	25-170	WG174586
Carbon Tetrachloride	mg/l	.02	0.0200	99.9	65-127	WG174586
Chlorobenzene	mg/l	.02	0.0203	101.0	79-117	WG174586
Chlorodibromomethane	mg/l	.02	0.0198	99.0	76-115	WG174586
Chloroethane	mg/l	.02	0.0167	83.7	37-130	WG174586
Chloroform	mg/l	.02	0.0197	98.6	70-119	WG174586
Chloromethane	mg/l	.02	0.0188	94.2	39-109	WG174586
cis-1,2-Dichloroethene	mg/l	.02	0.0180	90.2	72-128	WG174586
cis-1,3-Dichloropropene	mg/l	.02	0.0189	94.4	86-137	WG174586
i-isopropyl ether	mg/l	.02	0.0196	97.9	54-147	WG174586
1-chlorodifluoromethane	mg/l	.02	0.0160	80.0	14-133	WG174586
Ethylbenzene	mg/l	.02	0.0198	98.9	76-115	WG174586
m&p-Xylene	mg/l	.04	0.0398	99.5	73-124	WG174586
Methyl tert-butyl ether	mg/l	.02	0.0154	77.0	65-129	WG174586
Ethylene chloride	mg/l	.02	0.0171	85.4	60-127	WG174586
Aphthalene	mg/l	.05	0.0263	52.6	51-127	WG174586
O-Xylene	mg/l	.02	0.0198	98.9	76-118	WG174586
Tetrachloroethene	mg/l	.02	0.0198	98.8	71-132	WG174586
Toluene	mg/l	.02	0.0170	85.0	71-125	WG174586
trans-1,2-Dichloroethene	mg/l	.02	0.0185	92.5	65-141	WG174586
trans-1,3-Dichloropropene	mg/l	.02	0.0159	79.5	82-132	WG174586
Trichloroethene	mg/l	.02	0.0186	92.9	81-129	WG174586
Trichlorofluoromethane	mg/l	.02	0.0168	84.2	46-94	WG174586
Vinyl chloride	mg/l	.02	0.0155	77.3	40-95	WG174586
,1,1-Trichloroethane	mg/l	.02	0.0176	88.1	71-122	WG174753
1,1,2,2-Tetrachloroethane	mg/l	.02	0.0194	96.8	78-120	WG174753
1,1,2-Trichloroethane	mg/l	.02	0.0190	94.9	82-117	WG174753
,1-Dichloroethane	mg/l	.02	0.0165	82.4	59-135	WG174753
,1-Dichloroethene	mg/l	.02	0.0146	73.1	60-166	WG174753
,2-Dibromoethane	mg/l	.02	0.0193	96.4	79-121	WG174753
,1,2-Dichlorobenzene	mg/l	.05	0.0199	39.7	83-113	WG174753
,1,2-Dichloroethane	mg/l	.02	0.0189	94.4	81-122	WG174753
,2-Dichloropropane	mg/l	.02	0.0175	87.6	74-125	WG174753
,3-Dichlorobenzene	mg/l	.05	0.0207	41.4	80-124	WG174753
,1,4-Dichlorobenzene	mg/l	.05	0.0187	37.3	84-115	WG174753
2-Chloroethyl vinyl ether	mg/l	.1	0.0674	67.4	15-161	WG174753
Benzene	mg/l	.02	0.0173	86.7	75-133	WG174753
Bromodichloromethane	mg/l	.02	0.0192	96.0	76-117	WG174753
Bromoform	mg/l	.02	0.0224	112.0	72-125	WG174753
Bromomethane	mg/l	.02	0.00423	21.2	25-170	WG174753
Carbon Tetrachloride	mg/l	.02	0.0181	90.7	65-127	WG174753
Chlorobenzene	mg/l	.02	0.0193	96.4	79-117	WG174753
Chlorodibromomethane	mg/l	.02	0.0188	94.2	76-115	WG174753
Chloroethane	mg/l	.02	0.00984	49.2	37-130	WG174753
Chloroform	mg/l	.02	0.0176	88.1	70-119	WG174753
Chloromethane	mg/l	.02	0.00405	20.3	39-109	WG174753
i-is-1,2-Dichloroethene	mg/l	.02	0.0163	81.6	72-128	WG174753

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

L172736

October 15, 2004

Analyte	mg/l	.02	0.0180	90.0	86-137	WG174753
	Laboratory Control Units	Known Val	Sample Result	% Rec	Limit	Batch
Di-isopropyl ether	mg/l	.02	0.0181	90.3	54-147	WG174753
Dichlorodifluoromethane	mg/l	.02	0.00	0.00	14-133	WG174753
Ethylbenzene	mg/l	.02	0.0185	92.3	76-115	WG174753
m,p-Xylene	mg/l	.04	0.0379	94.8	73-124	WG174753
Methyl tert-butyl ether	mg/l	.02	0.0141	70.6	65-129	WG174753
Methylene chloride	mg/l	.02	0.0146	72.8	60-127	WG174753
Naphthalene	mg/l	.05	0.0296	59.2	51-127	WG174753
p-Xylene	mg/l	.02	0.0193	96.4	76-118	WG174753
Tetrachloroethene	mg/l	.02	0.0181	90.3	71-132	WG174753
Toluene	mg/l	.02	0.0165	82.3	71-125	WG174753
trans-1,2-Dichloroethene	mg/l	.02	0.0161	80.6	65-141	WG174753
trans-1,3-Dichloropropene	mg/l	.02	0.0148	74.1	82-132	WG174753
Trichloroethene	mg/l	.02	0.0176	87.9	81-129	WG174753
Trichlorofluoromethane	mg/l	.02	0.0112	56.1	46-94	WG174753
Vinyl chloride	mg/l	.02	0.00547	27.4	40-95	WG174753
1,1-Trichloroethane	mg/l	.02	0.0195	97.6	71-122	WG174911
1,2,2-Tetrachloroethane	mg/l	.02	0.0217	108.	78-120	WG174911
1,1,2-Trichloroethane	mg/l	.02	0.0210	105.	82-117	WG174911
1,1-Dichloroethane	mg/l	.02	0.0196	98.2	59-135	WG174911
1,1-Dichloroethene	mg/l	.02	0.0208	104.	60-166	WG174911
1,2-Dibromoethane	mg/l	.02	0.0218	109.	79-121	WG174911
1,2-Dichlorobenzene	mg/l	.05	0.0205	41.1	83-113	WG174911
1,2-Dichloroethane	mg/l	.02	0.0218	109.	81-122	WG174911
1,2-Dichloropropane	mg/l	.02	0.0194	97.2	74-125	WG174911
1,3-Dichlorobenzene	mg/l	.05	0.0225	44.9	80-124	WG174911
1,4-Dichlorobenzene	mg/l	.05	0.0200	40.0	84-115	WG174911
2-Chloroethyl vinyl ether	mg/l	.1	0.0658	65.8	15-161	WG174911
Benzene	mg/l	.02	0.0193	96.5	75-133	WG174911
Bromodichloromethane	mg/l	.02	0.0218	109.	76-117	WG174911
Bromoform	mg/l	.02	0.0229	114.	72-125	WG174911
Bromomethane	mg/l	.02	0.0158	79.0	25-170	WG174911
Carbon Tetrachloride	mg/l	.02	0.0198	99.2	65-127	WG174911
Chlorobenzene	mg/l	.02	0.0212	106.	79-117	WG174911
Chlorodibromomethane	mg/l	.02	0.0215	108.	76-115	WG174911
Chloroethane	mg/l	.02	0.0219	109.	37-130	WG174911
Chloroform	mg/l	.02	0.0199	99.7	70-119	WG174911
Chloromethane	mg/l	.02	0.0238	119.	39-109	WG174911
cis-1,2-Dichloroethene	mg/l	.02	0.0199	99.6	72-128	WG174911
cis-1,3-Dichloropropene	mg/l	.02	0.0209	105.	86-137	WG174911
Di-isopropyl ether	mg/l	.02	0.0195	97.3	54-147	WG174911
Dichlorodifluoromethane	mg/l	.02	0.0245	123.	14-133	WG174911
Ethylbenzene	mg/l	.02	0.0205	102.	76-115	WG174911
m,p-Xylene	mg/l	.04	0.0408	102.	73-124	WG174911
Ethyl tert-butyl ether	mg/l	.02	0.0187	93.7	65-129	WG174911
Ethylene chloride	mg/l	.02	0.0191	95.6	60-127	WG174911
Naphthalene	mg/l	.05	0.0201	40.3	51-127	WG174911
o-Xylene	mg/l	.02	0.0212	106.	76-118	WG174911
Tetrachloroethene	mg/l	.02	0.0202	101.	71-132	WG174911
Toluene	mg/l	.02	0.0199	99.6	71-125	WG174911
trans-1,2-Dichloroethene	mg/l	.02	0.0207	104.	65-141	WG174911
trans-1,3-Dichloropropene	mg/l	.02	0.0185	92.6	82-132	WG174911
Trichloroethene	mg/l	.02	0.0198	98.8	81-129	WG174911
Trichlorofluoromethane	mg/l	.02	0.0196	98.1	46-94	WG174911
Vinyl chloride	mg/l	.02	0.0216	108.	40-95	WG174911

Analyte	Laboratory Control Units	Sample Duplicate Units	LCSD	Res	Ref	Res	RPD	Limit	%Rec	Batch
---------	--------------------------	------------------------	------	-----	-----	-----	-----	-------	------	-------



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II

October 15, 2004

L172736

Analyte	mg/l	0.0023	0.0027	14.3	25	59.1	WG174557	
	Laboratory Control Units	Sample LCSD	Duplicate Res	Res	RPD	Limit	%Rec	Batch
2-Methylnaphthalene	mg/l	0.0024	0.0028	14.5	20	62.1	WG174557	
Acenaphthene	mg/l	0.0029	0.0031	8.15	21	73.0	WG174557	
Acenaphthylene	mg/l	0.0030	0.0032	8.17	20	75.7	WG174557	
Anthracene	mg/l	0.0040	0.0043	9.16	18	100	WG174557	
Benzo(a)anthracene	mg/l	0.0030	0.0031	4.13	20	75.8	WG174557	
Benzo(a)pyrene	mg/l	0.0025	0.0026	1.81	20	64.0	WG174557	
Benzo(b)fluoranthene	mg/l	0.0023	0.0024	1.45	18	59.1	WG174557	
Benzo(g,h,i)perylene	mg/l	0.0021	0.0022	5.39	20	54.0	WG174557	
Benzo(k)fluoranthene	mg/l	0.0024	0.0024	1.16	24	60.5	WG174557	
Chrysene	mg/l	0.0025	0.0026	3.34	14	64.2	WG174557	
Dibenz(a,h)anthracene	mg/l	0.0021	0.0022	5.29	19	53.6	WG174557	
Fluoranthene	mg/l	0.0027	0.0030	8.55	20	68.9	WG174557	
Fluorene	mg/l	0.0030	0.0033	9.26	19	75.9	WG174557	
Indeno(1,2,3-cd)pyrene	mg/l	0.0021	0.0022	5.20	19	53.0	WG174557	
Naphthalene	mg/l	0.0024	0.0027	11.2	24	61.5	WG174557	
Phenanthrene	mg/l	0.0029	0.0032	9.77	18	73.3	WG174557	
Pyrene	mg/l	0.0029	0.0032	8.91	16	74.0	WG174557	
1,1,1-Trichloroethane	mg/l	0.0214	0.0214	0.187	28	107	WG174570	
1,1,2,2-Tetrachloroethane	mg/l	0.0218	0.0216	0.968	10	109	WG174570	
1,1,2-Trichloroethane	mg/l	0.0213	0.0215	1.36	16	106	WG174570	
1,1-Dichloroethane	mg/l	0.0201	0.0200	0.699	17	101	WG174570	
1,1-Dichloroethene	mg/l	0.0216	0.0217	0.185	36	108	WG174570	
1,2-Dibromoethane	mg/l	0.0221	0.0217	1.92	19	111	WG174570	
1,2-Dichlorobenzene	mg/l	0.0212	0.0216	1.59	16	106	WG174570	
1,2-Dichloroethane	mg/l	0.0228	0.0233	2.21	13	114	WG174570	
1,2-Dichloropropane	mg/l	0.0200	0.0199	0.802	14	100	WG174570	
1,3-Dichlorobenzene	mg/l	0.0244	0.0249	1.78	25	122	WG174570	
1,4-Dichlorobenzene	mg/l	0.0215	0.0212	1.22	18	107	WG174570	
2-Chloroethyl vinyl ether	mg/l	0.0657	0.0683	3.84	25	65.7	WG174570	
Benzene	mg/l	0.0195	0.0196	0.205	20	97.6	WG174570	
Bromodichloromethane	mg/l	0.0233	0.0230	1.21	13	117	WG174570	
Bromoform	mg/l	0.0238	0.0234	1.82	18	119	WG174570	
Brömomethane	mg/l	0.0222	0.0223	0.270	20	111	WG174570	
Carbon Tetrachloride	mg/l	0.0225	0.0227	0.973	36	113	WG174570	
Chlorobenzene	mg/l	0.0230	0.0226	1.97	21	115	WG174570	
Chlorodibromomethane	mg/l	0.0227	0.0227	0.0880	17	114	WG174570	
Chloroethane	mg/l	0.0250	0.0249	0.281	25	125	WG174570	
Chloroform	mg/l	0.0210	0.0214	1.65	26	105	WG174570	
Chloromethane	mg/l	0.0267	0.0268	0.112	31	134	WG174570	
cis-1,2-Dichloroethene	mg/l	0.0206	0.0203	1.27	18	103	WG174570	
cis-1,3-Dichloropropene	mg/l	0.0216	0.0216	0.0463	17	108	WG174570	
Di-isopropyl ether	mg/l	0.0193	0.0198	2.40	48	96.7	WG174570	
Dichlorodifluoromethane	mg/l	0.0320	0.0319	0.375	28	160	WG174570	
Methylbenzene	mg/l	0.0224	0.0220	1.71	17	112	WG174570	
p-Xylene	mg/l	0.0446	0.0445	0.224	16	112	WG174570	
Methyl tert-butyl ether	mg/l	0.0182	0.0188	3.25	23	90.9	WG174570	
Methylene chloride	mg/l	0.0197	0.0197	0.153	16	98.4	WG174570	
Naphthalene	mg/l	0.0204	0.0205	0.343	39	102	WG174570	
m-Xylene	mg/l	0.0229	0.0226	1.19	14	114	WG174570	
Pentachloroethene	mg/l	0.0224	0.0219	2.44	32	112	WG174570	
Toluene	mg/l	0.0207	0.0204	1.56	17	103	WG174570	
trans-1,2-Dichloroethene	mg/l	0.0221	0.0216	2.15	27	110	WG174570	
trans-1,3-Dichloropropene	mg/l	0.0197	0.0193	2.10	16	98.6	WG174570	
Trichloroethene	mg/l	0.0212	0.0205	2.98	25	106	WG174570	
Trichlorofluoromethane	mg/l	0.0229	0.0229	0.131	41	114	WG174570	
Vinyl chloride	mg/l	0.0243	0.0241	0.868	36	121	WG174570	
,								
,1,1-Trichloroethane	mg/l	0.0215	0.0201	6.65	28	107	WG174586	



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report

Level II

L172736

October 15, 2004

1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.0191	4.29	10	99.9	WG174586
---------------------------	------	--------	--------	------	----	------	----------

Analyte		Laboratory Units	Control LCSD	Sample Res	Duplicate Ref	RPD	Limit %Rec	Batch
1,1,2-Trichloroethane	mg/l	0.0203	0.0190	6.82	16	102.	WG174586	
1,1-Dichloroethane	mg/l	0.0208	0.0187	10.9	17	104.	WG174586	
1,1-Dichloroethene	mg/l	0.0199	0.0187	6.27	36	99.5	WG174586	
1,2-Dibromoethane	mg/l	0.0204	0.0192	5.91	19	102.	WG174586	
1,2-Dichlorobenzene	mg/l	0.0212	0.0202	4.74	16	42.3	WG174586	
1,2-Dichloroethane	mg/l	0.0225	0.0210	6.71	13	112.	WG174586	
1,2-Dichloropropane	mg/l	0.0190	0.0179	5.58	14	94.8	WG174586	
1,3-Dichlorobenzene	mg/l	0.0224	0.0220	1.85	25	44.8	WG174586	
1,4-Dichlorobenzene	mg/l	0.0207	0.0198	4.55	18	41.4	WG174586	
2-Chloroethyl vinyl ether	mg/l	0.0526	0.0595	12.4	25	52.6	WG174586	
Benzene	mg/l	0.0196	0.0186	5.23	20	98.1	WG174586	
Bromodichloromethane	mg/l	0.0218	0.0204	6.40	13	109.	WG174586	
Bromoform	mg/l	0.0226	0.0225	0.0887	18	113.	WG174586	
Bromomethane	mg/l	0.0084	0.0082	2.28	20	42.1	WG174586	
Carbon Tetrachloride	mg/l	0.0220	0.0200	9.63	36	110.	WG174586	
Chlorobenzene	mg/l	0.0209	0.0203	2.87	21	104.	WG174586	
Chlorodibromomethane	mg/l	0.0209	0.0198	5.36	17	104.	WG174586	
Chloroethane	mg/l	0.0181	0.0167	7.59	25	90.3	WG174586	
Chloroform	mg/l	0.0217	0.0197	9.43	26	108.	WG174586	
Chloromethane	mg/l	0.0206	0.0188	8.83	31	103.	WG174586	
cis-1,2-Dichloroethene	mg/l	0.0201	0.0180	10.9	18	101.	WG174586	
cis-1,3-Dichloropropene	mg/l	0.0195	0.0189	3.39	17	97.6	WG174586	
Di-isopropyl ether	mg/l	0.0224	0.0196	13.5	48	112.	WG174586	
Dichlorodifluoromethane	mg/l	0.0173	0.0160	7.98	28	86.7	WG174586	
Ethylbenzene	mg/l	0.0208	0.0198	4.79	17	104.	WG174586	
m-p-Xylene	mg/l	0.0416	0.0398	4.42	16	104.	WG174586	
Methyl tert-butyl ether	mg/l	0.0169	0.0154	9.23	23	84.5	WG174586	
Methylene chloride	mg/l	0.0193	0.0171	12.4	16	96.7	WG174586	
Naphthalene	mg/l	0.0309	0.0263	16.0	39	61.8	WG174586	
o-Xylene	mg/l	0.0206	0.0198	3.82	14	103.	WG174586	
Pentachloroethene	mg/l	0.0203	0.0198	2.45	32	101.	WG174586	
Toluene	mg/l	0.0179	0.0170	5.38	17	89.7	WG174586	
trans-1,2-Dichloroethene	mg/l	0.0209	0.0185	12.0	27	104.	WG174586	
trans-1,3-Dichloropropene	mg/l	0.0166	0.0159	4.37	16	83.0	WG174586	
Trichloroethene	mg/l	0.0195	0.0186	4.73	25	97.4	WG174586	
Trichlorofluoromethane	mg/l	0.0185	0.0168	9.24	41	92.3	WG174586	
Vinyl chloride	mg/l	0.0174	0.0155	11.8	36	86.9	WG174586	
1,1,1-Trichloroethane	mg/l	0.0194	0.0176	9.77	28	97.2	WG174753	
1,1,2-Tetrachloroethane	mg/l	0.0201	0.0194	3.85	10	101.	WG174753	
1,1,2-Trichloroethane	mg/l	0.0202	0.0190	6.48	16	101.	WG174753	
1,1-Dichloroethane	mg/l	0.0190	0.0165	14.4	17	95.1	WG174753	
1,1-Dichloroethene	mg/l	0.0160	0.0146	9.20	36	80.2	WG174753	
1,2-Dibromoethane	mg/l	0.0201	0.0193	4.12	19	100.	WG174753	
1,2-Dichlorobenzene	mg/l	0.0204	0.0199	2.68	16	40.8	WG174753	
1,2-Dichloroethane	mg/l	0.0219	0.0189	14.8	13	109.	WG174753	
1,2-Dichloropropane	mg/l	0.0185	0.0175	5.33	14	92.4	WG174753	
1,3-Dichlorobenzene	mg/l	0.0217	0.0207	4.95	25	43.5	WG174753	
1,4-Dichlorobenzene	mg/l	0.0199	0.0187	6.18	18	39.7	WG174753	
2-Chloroethyl vinyl ether	mg/l	0.0622	0.0674	7.98	25	62.2	WG174753	
Benzene	mg/l	0.0193	0.0173	10.9	20	96.7	WG174753	
Bromodichloromethane	mg/l	0.0204	0.0192	6.21	13	102.	WG174753	
Bromoform	mg/l	0.0230	0.0224	2.43	18	115.	WG174753	
Bromomethane	mg/l	0.0049	0.0042	15.9	20	24.8	WG174753	
Carbon Tetrachloride	mg/l	0.0202	0.0181	10.8	36	101.	WG174753	
Chlorobenzene	mg/l	0.0206	0.0193	6.72	21	103.	WG174753	
Chlorodibromomethane	mg/l	0.0202	0.0188	7.07	17	101.	WG174753	
Chloroethane	mg/l	0.0110	0.0098	11.0	25	54.9	WG174753	
Chloroform	mg/l	0.0206	0.0176	15.6	26	103.	WG174753	



ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II

October 15, 2004

L172736

Chloromethane	mg/l	0.0045	0.0040	11.6	31	22.8	WG174753
Analyte		Laboratory Control Units	Control Sample	Duplicate			
		LCSD	Res Ref	RPD	Limit	%Rec	Batch
cis-1,2-Dichloroethene	mg/l	0.0190	0.0163	15.3	18	95.1	WG174753
cis-1,3-Dichloropropene	mg/l	0.0194	0.0180	7.39	17	96.9	WG174753
Di-isopropyl ether	mg/l	0.0214	0.0181	16.7	48	107.	WG174753
Dichlorodifluoromethane	mg/l	0.00	0.00	0.00	28	0.00	WG174753
Ethylbenzene	mg/l	0.0202	0.0185	8.85	17	101.	WG174753
m,p-Xylene	mg/l	0.0402	0.0379	5.79	16	100.	WG174753
Methyl tert-butyl ether	mg/l	0.0160	0.0141	12.6	23	80.1	WG174753
Methylene chloride	mg/l	0.0173	0.0146	17.0	16	86.3	WG174753
Naphthalene	mg/l	0.0300	0.0296	1.28	39	60.0	WG174753
o-Xylene	mg/l	0.0205	0.0193	5.89	14	102.	WG174753
Tetrachloroethene	mg/l	0.0193	0.0181	6.84	32	96.7	WG174753
Toluene	mg/l	0.0173	0.0165	4.86	17	86.4	WG174753
trans-1,2-Dichloroethene	mg/l	0.0180	0.0161	11.1	27	90.1	WG174753
trans-1,3-Dichloropropene	mg/l	0.0157	0.0148	6.02	16	78.7	WG174753
Trichloroethene	mg/l	0.0181	0.0176	3.03	25	90.6	WG174753
Trichlorofluoromethane	mg/l	0.0121	0.0112	7.88	41	60.7	WG174753
Vinyl chloride	mg/l	0.0058	0.0054	6.88	36	29.3	WG174753
1,1,1-Trichloroethane	mg/l	0.0203	0.0195	3.97	28	102.	WG174911
1,1,2,2-Tetrachloroethane	mg/l	0.0213	0.0217	1.81	10	107.	WG174911
1,1,2-Trichloroethane	mg/l	0.0215	0.0210	2.22	16	107.	WG174911
1,1-Dichloroethane	mg/l	0.0204	0.0196	3.75	17	102.	WG174911
1,1-Dichloroethene	mg/l	0.0217	0.0208	4.15	36	108.	WG174911
1,2-Dibromoethane	mg/l	0.0222	0.0218	2.00	19	111.	WG174911
1,2-Dichlorobenzene	mg/l	0.0211	0.0205	2.83	16	42.2	WG174911
1,2-Dichloroethane	mg/l	0.0220	0.0218	1.10	13	110.	WG174911
1,2-Dichloropropane	mg/l	0.0205	0.0194	5.12	14	102.	WG174911
1,3-Dichlorobenzene	mg/l	0.0231	0.0225	2.68	25	46.1	WG174911
1,4-Dichlorobenzene	mg/l	0.0208	0.0200	3.68	18	41.5	WG174911
2-Chloroethyl vinyl ether	mg/l	0.0619	0.0658	6.00	25	61.9	WG174911
Arenes	mg/l	0.0200	0.0193	3.76	20	100.	WG174911
Bromodichloromethane	mg/l	0.0222	0.0218	1.91	13	111.	WG174911
Bromoform	mg/l	0.0230	0.0229	0.654	18	115.	WG174911
Bromomethane	mg/l	0.0179	0.0158	12.6	20	89.7	WG174911
Carbon Tetrachloride	mg/l	0.0207	0.0198	4.19	36	103.	WG174911
Chlorobenzene	mg/l	0.0222	0.0212	4.51	21	111.	WG174911
Chlorodibromomethane	mg/l	0.0218	0.0215	1.43	17	109.	WG174911
Chloroethane	mg/l	0.0237	0.0219	8.11	25	119.	WG174911
Chloroform	mg/l	0.0208	0.0199	4.13	26	104.	WG174911
Chloromethane	mg/l	0.0239	0.0238	0.671	31	120.	WG174911
cis-1,2-Dichloroethene	mg/l	0.0207	0.0199	3.94	18	104.	WG174911
cis-1,3-Dichloropropene	mg/l	0.0214	0.0209	2.46	17	107.	WG174911
Di-isopropyl ether	mg/l	0.0200	0.0195	2.74	48	100.	WG174911
Dichlorodifluoromethane	mg/l	0.0256	0.0245	4.15	28	128.	WG174911
Ethylbenzene	mg/l	0.0212	0.0205	3.65	17	106.	WG174911
m,p-Xylene	mg/l	0.0427	0.0408	4.50	16	107.	WG174911
Methyl tert-butyl ether	mg/l	0.0181	0.0187	3.42	23	90.6	WG174911
Methylene chloride	mg/l	0.0197	0.0191	2.94	16	98.5	WG174911
Naphthalene	mg/l	0.0200	0.0201	0.648	39	40.0	WG174911
o-Xylene	mg/l	0.0221	0.0212	4.15	14	111.	WG174911
Tetrachloroethene	mg/l	0.0213	0.0202	5.21	32	106.	WG174911
Toluene	mg/l	0.0204	0.0199	2.63	17	102.	WG174911
trans-1,2-Dichloroethene	mg/l	0.0218	0.0207	5.04	27	109.	WG174911
trans-1,3-Dichloropropene	mg/l	0.0189	0.0185	2.08	16	94.6	WG174911
Trichloroethene	mg/l	0.0203	0.0198	2.70	25	102.	WG174911
Trichlorofluoromethane	mg/l	0.0204	0.0196	3.85	41	102.	WG174911
Vinyl chloride	mg/l	0.0228	0.0216	5.27	36	114.	WG174911

Matrix Spike

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

October 15, 2004

L172736

Analyte	Units	MS Res	Ref Res	TV	% Rec Limit	Ref Samp	Batch
1,1,1-Trichloroethane	mg/l	0.0180	0.00	.02	90.0 46-143	L173338-01	WG174570
1,1,2-Tetrachloroethane	mg/l	0.0192	0.00	.02	96.1 70-116	L173338-01	WG174570
1,1,2-Trichloroethane	mg/l	0.0187	0.00	.02	93.3 70-122	L173338-01	WG174570
1,1-Dichloroethane	mg/l	0.0177	0.00	.02	88.3 47-138	L173338-01	WG174570
1,1-Dichloroethene	mg/l	0.0178	0.00	.02	88.8 56-162	L173338-01	WG174570
2-Dibromoethane	mg/l	0.0187	0.00	.02	93.7 74-121	L173338-01	WG174570
1,2-Dichlorobenzene	mg/l	0.0175	0.00	.02	87.7 65-119	L173338-01	WG174570
1,2-Dichloroethane	mg/l	0.0208	0.00	.02	104. 48-148	L173338-01	WG174570
1,2-Dichloropropane	mg/l	0.0171	0.00	.02	85.5 66-122	L173338-01	WG174570
3-Dichlorobenzene	mg/l	0.0203	0.00	.02	102. 62-122	L173338-01	WG174570
4-Dichlorobenzene	mg/l	0.0163	0.00	.02	81.7 60-123	L173338-01	WG174570
2-Chloroethyl vinyl ether	mg/l	0.0750	0.00	.1	75.0 0-100	L173338-01	WG174570
Benzene	mg/l	0.0166	0.00	.02	82.8 66-127	L173338-01	WG174570
Bromodichloromethane	mg/l	0.0201	0.00	.02	100. 57-126	L173338-01	WG174570
Chloroform	mg/l	0.0199	0.00	.02	99.6 52-130	L173338-01	WG174570
Bromomethane	mg/l	0.0191	0.00	.02	95.7 17-150	L173338-01	WG174570
Carbon Tetrachloride	mg/l	0.0184	0.00	.02	91.9 42-141	L173338-01	WG174570
Chlorobenzene	mg/l	0.0187	0.00	.02	93.7 66-125	L173338-01	WG174570
Chlorodibromomethane	mg/l	0.0193	0.00	.02	96.5 58-123	L173338-01	WG174570
Chloroethane	mg/l	0.0216	0.00	.02	108. 29-131	L173338-01	WG174570
Chloroform	mg/l	0.0185	0.00	.02	92.7 46-136	L173338-01	WG174570
Chloromethane	mg/l	0.0213	0.00	.02	106. 26-120	L173338-01	WG174570
cis-1,2-Dichloroethene	mg/l	0.0178	0.00	.02	89.2 59-133	L173338-01	WG174570
cis-1,3-Dichloropropene	mg/l	0.0181	0.00	.02	90.6 77-132	L173338-01	WG174570
di-isopropyl ether	mg/l	0.0175	0.00	.02	87.4 41-135	L173338-01	WG174570
Dichlorodifluoromethane	mg/l	0.0268	0.00	.02	134. 13-113	L173338-01	WG174570
Ethylbenzene	mg/l	0.0180	0.00	.02	90.1 73-114	L173338-01	WG174570
m,p-Xylene	mg/l	0.0357	0.00	.04	89.2 65-124	L173338-01	WG174570
Ethyl tert-butyl ether	mg/l	0.0180	0.00	.02	89.9 60-127	L173338-01	WG174570
Ethylene chloride	mg/l	0.0122	0.00	.02	61.2 55-123	L173338-01	WG174570
Naphthalene	mg/l	0.0140	0.00	.02	69.8 39-122	L173338-01	WG174570
o-Xylene	mg/l	0.0188	0.00	.02	94.0 68-120	L173338-01	WG174570
Tetrachloroethene	mg/l	0.0175	0.00	.02	87.7 49-144	L173338-01	WG174570
Toluene	mg/l	0.0176	0.00	.02	88.1 70-119	L173338-01	WG174570
trans-1,2-Dichloroethene	mg/l	0.0180	0.00	.02	89.8 53-145	L173338-01	WG174570
trans-1,3-Dichloropropene	mg/l	0.0166	0.00	.02	83.2 69-125	L173338-01	WG174570
Trichloroethene	mg/l	0.0176	0.00	.02	88.2 61-141	L173338-01	WG174570
Trichlorofluoromethane	mg/l	0.0201	0.00	.02	100. 24-113	L173338-01	WG174570
Vinyl chloride	mg/l	0.0196	0.00	.02	98.0 26-110	L173338-01	WG174570
1,1,1-Trichloroethane	mg/l	0.0153	0.00	.02	76.5 46-143	L172736-09	WG174586
1,1,2,2-Tetrachloroethane	mg/l	0.0196	0.00	.02	97.9 70-116	L172736-09	WG174586
1,1,2-Trichloroethane	mg/l	0.0186	0.00	.02	93.1 70-122	L172736-09	WG174586
1,1-Dichloroethane	mg/l	0.0158	0.00	.02	78.8 47-138	L172736-09	WG174586
1,1-Dichloroethene	mg/l	0.0156	0.00	.02	78.2 56-162	L172736-09	WG174586
1,2-Dibromoethane	mg/l	0.0192	0.00	.02	95.8 74-121	L172736-09	WG174586
1,2-Dichlorobenzene	mg/l	0.0177	0.00	.05	35.4 65-119	L172736-09	WG174586
1,2-Dichloroethane	mg/l	0.0164	0.00	.02	81.9 48-148	L172736-09	WG174586
1,2-Dichloropropane	mg/l	0.0157	0.00	.02	78.3 66-122	L172736-09	WG174586
1,3-Dichlorobenzene	mg/l	0.0209	0.00	.05	41.7 62-122	L172736-09	WG174586
1,4-Dichlorobenzene	mg/l	0.0167	0.00	.05	33.4 60-123	L172736-09	WG174586
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	.1	0.0 0-100	L172736-09	WG174586
Benzene	mg/l	0.0196	0.0046	.02	75.0 66-127	L172736-09	WG174586
Bromodichloromethane	mg/l	0.0166	0.00	.02	83.1 57-126	L172736-09	WG174586
Bromoform	mg/l	0.0198	0.00	.02	99.1 52-130	L172736-09	WG174586
Bromomethane	mg/l	0.0065	0.00	.02	32.9 17-150	L172736-09	WG174586
Carbon Tetrachloride	mg/l	0.0152	0.00	.02	76.2 42-141	L172736-09	WG174586
Chlorobenzene	mg/l	0.0197	0.00	.02	98.3 66-125	L172736-09	WG174586
Chlorodibromomethane	mg/l	0.0174	0.00	.02	86.9 58-123	L172736-09	WG174586
Chloroethane	mg/l	0.0143	0.00	.02	71.4 29-131	L172736-09	WG174586
Chloroform	mg/l	0.0154	0.00	.02	77.1 46-136	L172736-09	WG174586
Chloromethane	mg/l	0.0159	0.00	.02	79.5 26-120	L172736-09	WG174586

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report

Level II

L172736

October 15, 2004

Analyte	Units	Matrix	Spike	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
cis-1,2-Dichloroethene	mg/l	0.0158	0.0014	.02	72.2	59-133	L172736-09	WG174586		
cis-1,3-Dichloropropene	mg/l	0.0163	0.00	.02	81.7	77-132	L172736-09	WG174586		
Di-isopropyl ether	mg/l	0.0252	0.0084	.02	84.2	41-135	L172736-09	WG174586		
Dichlorodifluoromethane	mg/l	0.0143	0.00	.02	71.3	13-113	L172736-09	WG174586		
Ethylbenzene	mg/l	0.0197	0.00	.02	98.4	73-114	L172736-09	WG174586		
m&p-Xylene	mg/l	0.0403	0.00	.04	101.	65-124	L172736-09	WG174586		
Methyl tert-butyl ether	mg/l	0.0174	0.00	.02	87.1	60-127	L172736-09	WG174586		
Methylene chloride	mg/l	0.0156	0.00	.02	77.8	55-123	L172736-09	WG174586		
Naphthalene	mg/l	0.0211	0.00	.05	42.2	39-122	L172736-09	WG174586		
o-Xylene	mg/l	0.0198	0.00	.02	98.9	68-120	L172736-09	WG174586		
Tetrachloroethene	mg/l	0.0191	0.00	.02	95.5	49-144	L172736-09	WG174586		
Toluene	mg/l	0.0166	0.00	.02	83.2	70-119	L172736-09	WG174586		
trans-1,2-Dichloroethene	mg/l	0.0146	0.00	.02	72.8	53-145	L172736-09	WG174586		
trans-1,3-Dichloropropene	mg/l	0.0145	0.00	.02	72.7	69-125	L172736-09	WG174586		
Trichloroethene	mg/l	0.0191	0.0032	.02	79.5	61-141	L172736-09	WG174586		
Trichlorofluoromethane	mg/l	0.0138	0.00	.02	69.1	24-113	L172736-09	WG174586		
Vinyl chloride	mg/l	0.0142	0.00	.02	70.8	26-110	L172736-09	WG174586		
,1,1-Trichloroethane	mg/l	0.0190	0.00	.02	95.1	46-143	L172924-09	WG174753		
1,1,2,2-Tetrachloroethane	mg/l	0.0200	0.00	.02	100.	70-116	L172924-09	WG174753		
1,1,2-Trichloroethane	mg/l	0.0199	0.00	.02	99.6	70-122	L172924-09	WG174753		
,1-Dichloroethane	mg/l	0.0183	0.00	.02	91.5	47-138	L172924-09	WG174753		
,1-Dichloroethylene	mg/l	0.0155	0.00	.02	77.5	56-162	L172924-09	WG174753		
,2-Dibromoethane	mg/l	0.0195	0.00	.02	97.7	74-121	L172924-09	WG174753		
1,2-Dichlorobenzene	mg/l	0.0187	0.00	.05	37.5	65-119	L172924-09	WG174753		
1,2-Dichloroethane	mg/l	0.0207	0.00	.02	103.	48-148	L172924-09	WG174753		
,2-Dichloropropane	mg/l	0.0176	0.00	.02	88.1	66-122	L172924-09	WG174753		
,3-Dichlorobenzene	mg/l	0.0201	0.00	.05	40.3	62-122	L172924-09	WG174753		
1,4-Dichlorobenzene	mg/l	0.0180	0.00	.05	36.0	60-123	L172924-09	WG174753		
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	.1	0.0	0-100	L172924-09	WG174753		
Benzene	mg/l	0.0197	0.00	.02	98.4	66-127	L172924-09	WG174753		
Bromodichloromethane	mg/l	0.0187	0.00	.02	93.7	57-126	L172924-09	WG174753		
Bromoform	mg/l	0.0227	0.00	.02	114.	52-130	L172924-09	WG174753		
Bromomethane	mg/l	0.0040	0.00	.02	20.0	17-150	L172924-09	WG174753		
Carbon Tetrachloride	mg/l	0.0213	0.00	.02	107.	42-141	L172924-09	WG174753		
Chlorobenzene	mg/l	0.0197	0.00	.02	98.7	66-125	L172924-09	WG174753		
Chlorodibromomethane	mg/l	0.0191	0.00	.02	95.6	58-123	L172924-09	WG174753		
Chloroethane	mg/l	0.0108	0.00	.02	54.1	29-131	L172924-09	WG174753		
Chloroform	mg/l	0.0190	0.00	.02	95.2	46-136	L172924-09	WG174753		
Chloromethane	mg/l	0.0045	0.00	.02	22.9	26-120	L172924-09	WG174753		
cis-1,2-Dichloroethene	mg/l	0.0179	0.00	.02	89.6	59-133	L172924-09	WG174753		
cis-1,3-Dichloropropene	mg/l	0.0176	0.00	.02	88.0	77-132	L172924-09	WG174753		
Di-isopropyl ether	mg/l	0.0204	0.00	.02	102.	41-135	L172924-09	WG174753		
Dichlorodifluoromethane	mg/l	0.00	0.00	.02	0.0	13-113	L172924-09	WG174753		
Ethylbenzene	mg/l	0.0200	0.00	.02	99.8	73-114	L172924-09	WG174753		
m&p-Xylene	mg/l	0.0388	0.00	.04	97.1	65-124	L172924-09	WG174753		
Methyl tert-butyl ether	mg/l	0.0194	0.0034	.02	79.9	60-127	L172924-09	WG174753		
Methylene chloride	mg/l	0.0168	0.00	.02	84.2	55-123	L172924-09	WG174753		
Naphthalene	mg/l	0.0201	0.0009	.05	38.2	39-122	L172924-09	WG174753		
o-Xylene	mg/l	0.0197	0.00	.02	98.3	68-120	L172924-09	WG174753		
Tetrachloroethene	mg/l	0.0188	0.00	.02	93.8	49-144	L172924-09	WG174753		
Toluene	mg/l	0.0177	0.00	.02	88.4	70-119	L172924-09	WG174753		
trans-1,2-Dichloroethene	mg/l	0.0178	0.00	.02	88.8	53-145	L172924-09	WG174753		
trans-1,3-Dichloropropene	mg/l	0.0149	0.00	.02	74.4	69-125	L172924-09	WG174753		
Trichloroethene	mg/l	0.0173	0.00	.02	86.6	61-141	L172924-09	WG174753		
Trichlorofluoromethane	mg/l	0.0122	0.00	.02	60.8	24-113	L172924-09	WG174753		
Vinyl chloride	mg/l	0.0059	0.00	.02	30.0	26-110	L172924-09	WG174753		
,1,1,1-Trichloroethane	mg/l	0.0191	0.00	.02	95.4	46-143	L173026-03	WG174911		
,1,2,2-Tetrachloroethane	mg/l	0.0206	0.00	.02	103.	70-116	L173026-03	WG174911		

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report

Level II

L172736

October 15, 2004

1,1,2-Trichloroethane	mg/l	0.0202	0.00	.02	101.	70-122	L173026-03	WG174911
------------------------------	------	--------	------	-----	------	--------	------------	----------

Analyte	Units	Matrix	Spike	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1-Dichloroethane	mg/l	0.0188	0.00	.02	94.1	47-138	L173026-03	WG174911		
1,1-Dichloroethene	mg/l	0.0197	0.00	.02	98.5	56-162	L173026-03	WG174911		
1,2-Dibromoethane	mg/l	0.0206	0.00	.02	103.	74-121	L173026-03	WG174911		
1,2-Dichlorobenzene	mg/l	0.0189	0.00	.02	94.3	65-119	L173026-03	WG174911		
1,2-Dichloroethane	mg/l	0.0212	0.00	.02	106.	48-148	L173026-03	WG174911		
1,2-Dichloropropane	mg/l	0.0185	0.00	.02	92.5	66-122	L173026-03	WG174911		
1,3-Dichlorobenzene	mg/l	0.0202	0.00	.02	101.	62-122	L173026-03	WG174911		
1,4-Dichlorobenzene	mg/l	0.0179	0.00	.02	89.5	60-123	L173026-03	WG174911		
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	.1	0.0	0-100	L173026-03	WG174911		
Benzene	mg/l	0.0185	0.00	.02	92.7	66-127	L173026-03	WG174911		
Bromodichloromethane	mg/l	0.0208	0.00	.02	104.	57-126	L173026-03	WG174911		
Bromoform	mg/l	0.0220	0.00	.02	110.	52-130	L173026-03	WG174911		
Bromomethane	mg/l	0.0165	0.00	.02	82.3	17-150	L173026-03	WG174911		
Carbon Tetrachloride	mg/l	0.0192	0.00	.02	96.1	42-141	L173026-03	WG174911		
Chlorobenzene	mg/l	0.0203	0.00	.02	101.	66-125	L173026-03	WG174911		
Chlorodibromomethane	mg/l	0.0208	0.00	.02	104.	58-123	L173026-03	WG174911		
Chloroethane	mg/l	0.0211	0.00	.02	105.	29-131	L173026-03	WG174911		
Chloroform	mg/l	0.0191	0.00	.02	95.4	46-136	L173026-03	WG174911		
Chloromethane	mg/l	0.0224	0.00	.02	112.	26-120	L173026-03	WG174911		
cis-1,2-Dichloroethene	mg/l	0.0190	0.00	.02	95.2	59-133	L173026-03	WG174911		
cis-1,3-Dichloropropene	mg/l	0.0195	0.00	.02	97.7	77-132	L173026-03	WG174911		
di-isopropyl ether	mg/l	0.0185	0.00	.02	92.5	41-135	L173026-03	WG174911		
1,1-Dichlorodifluoromethane	mg/l	0.0236	0.00	.02	118.	13-113	L173026-03	WG174911		
Ethylbenzene	mg/l	0.0193	0.00	.02	96.5	73-114	L173026-03	WG174911		
m,p-Xylene	mg/l	0.0383	0.00	.04	95.9	65-124	L173026-03	WG174911		
o-Ethyl tert-butyl ether	mg/l	0.0177	0.00	.02	88.3	60-127	L173026-03	WG174911		
Ethylene chloride	mg/l	0.0177	0.00	.02	88.4	55-123	L173026-03	WG174911		
Naphthalene	mg/l	0.0178	0.0012	.02	82.7	39-122	L173026-03	WG174911		
o-Xylene	mg/l	0.0202	0.00	.02	101.	68-120	L173026-03	WG174911		
Tetrachloroethene	mg/l	0.0191	0.00	.02	95.5	49-144	L173026-03	WG174911		
Toluene	mg/l	0.0187	0.00	.02	93.5	70-119	L173026-03	WG174911		
trans-1,2-Dichloroethene	mg/l	0.0197	0.00	.02	98.3	53-145	L173026-03	WG174911		
trans-1,3-Dichloropropene	mg/l	0.0174	0.00	.02	86.8	69-125	L173026-03	WG174911		
Trichloroethene	mg/l	0.0183	0.00	.02	91.4	61-141	L173026-03	WG174911		
Trichlorofluoromethane	mg/l	0.0191	0.00	.02	95.6	24-113	L173026-03	WG174911		
Vinyl chloride	mg/l	0.0205	0.00	.02	103.	26-110	L173026-03	WG174911		

Analyte	Units	Matrix	Spike	Duplicate	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,1,2-Trichloroethane	mg/l	0.0190	0.0180	5.46	28	95.0	L173338-01	WG174570			
1,1,2-Tetrachloroethane	mg/l	0.0201	0.0192	4.58	10	101.	L173338-01	WG174570			
1,1,2-Trichloroethane	mg/l	0.0200	0.0187	6.88	16	100.	L173338-01	WG174570			
1,1-Dichloroethane	mg/l	0.0188	0.0177	6.41	17	94.2	L173338-01	WG174570			
1,1-Dichloroethene	mg/l	0.0194	0.0178	8.72	36	96.9	L173338-01	WG174570			
1,2-Dibromoethane	mg/l	0.0204	0.0187	8.48	19	102.	L173338-01	WG174570			
1,2-Dichlorobenzene	mg/l	0.0189	0.0175	7.46	16	94.5	L173338-01	WG174570			
1,2-Dichloroethane	mg/l	0.0221	0.0208	5.92	13	110.	L173338-01	WG174570			
1,2-Dichloropropane	mg/l	0.0181	0.0171	5.80	14	90.6	L173338-01	WG174570			
1,3-Dichlorobenzene	mg/l	0.0216	0.0203	6.15	25	108.	L173338-01	WG174570			
1,4-Dichlorobenzene	mg/l	0.0174	0.0163	6.17	18	86.9	L173338-01	WG174570			
2-Chloroethyl vinyl ether	mg/l	0.0801	0.0750	6.46	25	80.1	L173338-01	WG174570			
Benzene	mg/l	0.0179	0.0166	7.61	20	89.4	L173338-01	WG174570			
Bromodichloromethane	mg/l	0.0211	0.0201	4.91	13	105.	L173338-01	WG174570			
Bromoform	mg/l	0.0213	0.0199	6.89	18	107.	L173338-01	WG174570			
Bromomethane	mg/l	0.0205	0.0191	6.72	20	102.	L173338-01	WG174570			
Carbon Tetrachloride	mg/l	0.0190	0.0184	3.53	36	95.2	L173338-01	WG174570			
Chlorobenzene	mg/l	0.0201	0.0187	7.25	21	101.	L173338-01	WG174570			
Chlorodibromomethane	mg/l	0.0204	0.0193	5.54	17	102.	L173338-01	WG174570			

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

October 15, 2004

L172736

Analyte	mg/l	0.0240	0.0216	10.3	25	120.	L173338-01	WG174570
	Matrix	Spike	Duplicate				Ref Samp	Batch
	Units	MSD Res	Ref Res	RPD	Limit	%Rec		
Chloroform	mg/l	0.0196	0.0185	5.71	26	98.1	L173338-01	WG174570
Chloromethane	mg/l	0.0228	0.0213	6.99	31	114.	L173338-01	WG174570
cis-1,2-Dichloroethene	mg/l	0.0189	0.0178	5.66	18	94.4	L173338-01	WG174570
cis-1,3-Dichloropropene	mg/l	0.0195	0.0181	7.29	17	97.4	L173338-01	WG174570
Di-isopropyl ether	mg/l	0.0194	0.0175	10.6	48	97.2	L173338-01	WG174570
Dichlorodifluoromethane	mg/l	0.0280	0.0268	4.42	28	140.	L173338-01	WG174570
Ethylbenzene	mg/l	0.0192	0.0180	6.29	16	95.9	L173338-01	WG174570
m,p-Xylene	mg/l	0.0387	0.0357	8.04	24	96.7	L173338-01	WG174570
Methyl tert-butyl ether	mg/l	0.0189	0.0180	4.78	22	94.3	L173338-01	WG174570
Methylene chloride	mg/l	0.0128	0.0122	4.71	16	64.2	L173338-01	WG174570
Naphthalene	mg/l	0.0169	0.0140	19.2	39	84.6	L173338-01	WG174570
o-Xylene	mg/l	0.0203	0.0188	7.43	25	101.	L173338-01	WG174570
Tetrachloroethene	mg/l	0.0187	0.0175	6.46	32	93.6	L173338-01	WG174570
Toluene	mg/l	0.0186	0.0176	5.57	15	93.2	L173338-01	WG174570
trans-1,2-Dichloroethene	mg/l	0.0192	0.0180	6.78	27	96.1	L173338-01	WG174570
trans-1,3-Dichloropropene	mg/l	0.0177	0.0166	6.06	16	88.4	L173338-01	WG174570
Trichloroethene	mg/l	0.0192	0.0176	8.37	25	95.9	L173338-01	WG174570
Trichlorofluoromethane	mg/l	0.0212	0.0201	5.52	41	106.	L173338-01	WG174570
Vinyl chloride	mg/l	0.0217	0.0196	10.0	36	108.	L173338-01	WG174570
,								
,1,1-Trichloroethane	mg/l	0.0171	0.0153	11.1	28	85.4	L172736-09	WG174586
,1,2,2-Tetrachloroethane	mg/l	0.0209	0.0196	6.33	10	104.	L172736-09	WG174586
,1,2-Trichloroethane	mg/l	0.0199	0.0186	6.70	16	99.5	L172736-09	WG174586
1,1-Dichloroethane	mg/l	0.0174	0.0158	10.0	17	87.1	L172736-09	WG174586
1,1-Dichloroethene	mg/l	0.0175	0.0156	11.3	36	87.6	L172736-09	WG174586
,2-Dibromoethane	mg/l	0.0216	0.0192	12.2	19	108.	L172736-09	WG174586
,2-Dichlorobenzene	mg/l	0.0196	0.0177	9.98	16	39.1	L172736-09	WG174586
,2-Dichloroethane	mg/l	0.0184	0.0164	11.9	13	92.2	L172736-09	WG174586
,2-Dichloropropane	mg/l	0.0165	0.0157	5.22	14	82.5	L172736-09	WG174586
,3-Dichlorobenzene	mg/l	0.0221	0.0209	5.73	25	44.2	L172736-09	WG174586
,4-Dichlorobenzene	mg/l	0.0185	0.0167	10.3	18	37.0	L172736-09	WG174586
-Chloroethyl vinyl ether	mg/l	0.00	0.00	0.00	25	0.00	L172736-09	WG174586
Benzene	mg/l	0.0220	0.0196	11.4	20	86.8	L172736-09	WG174586
Bromodichloromethane	mg/l	0.0180	0.0166	7.86	13	89.9	L172736-09	WG174586
Bromoform	mg/l	0.0218	0.0198	9.61	18	109.	L172736-09	WG174586
Bromomethane	mg/l	0.0066	0.0065	1.51	20	33.4	L172736-09	WG174586
Carbon Tetrachloride	mg/l	0.0173	0.0152	12.4	36	86.3	L172736-09	WG174586
Chlorobenzene	mg/l	0.0221	0.0197	11.6	21	110.	L172736-09	WG174586
Chlorodibromomethane	mg/l	0.0189	0.0174	8.49	17	94.6	L172736-09	WG174586
Chloroethane	mg/l	0.0153	0.0143	6.83	25	76.5	L172736-09	WG174586
Chloroform	mg/l	0.0170	0.0154	9.52	26	84.8	L172736-09	WG174586
Chloromethane	mg/l	0.0181	0.0159	12.9	31	90.5	L172736-09	WG174586
cis-1,2-Dichloroethene	mg/l	0.0180	0.0158	12.8	18	83.0	L172736-09	WG174586
cis-1,3-Dichloropropene	mg/l	0.0178	0.0163	8.44	17	88.9	L172736-09	WG174586
i-isopropyl ether	mg/l	0.0271	0.0252	7.14	48	93.6	L172736-09	WG174586
Trichlorodifluoromethane	mg/l	0.0148	0.0143	3.65	28	74.0	L172736-09	WG174586
Ethylbenzene	mg/l	0.0217	0.0197	9.72	16	108.	L172736-09	WG174586
m,p-Xylene	mg/l	0.0445	0.0403	10.0	24	111.	L172736-09	WG174586
Methyl tert-butyl ether	mg/l	0.0189	0.0174	7.94	22	94.3	L172736-09	WG174586
Ethylene chloride	mg/l	0.0165	0.0156	5.99	16	82.6	L172736-09	WG174586
Naphthalene	mg/l	0.0305	0.0211	36.4	39	61.0	L172736-09	WG174586
o-Xylene	mg/l	0.0210	0.0198	6.18	25	105.	L172736-09	WG174586
Tetrachloroethene	mg/l	0.0208	0.0191	8.38	32	104.	L172736-09	WG174586
Toluene	mg/l	0.0171	0.0166	2.67	15	85.5	L172736-09	WG174586
trans-1,2-Dichloroethene	mg/l	0.0164	0.0146	12.0	27	82.0	L172736-09	WG174586
trans-1,3-Dichloropropene	mg/l	0.0151	0.0145	4.04	16	75.7	L172736-09	WG174586
Trichloroethene	mg/l	0.0204	0.0191	6.73	25	86.2	L172736-09	WG174586
Trichlorofluoromethane	mg/l	0.0154	0.0138	10.8	41	76.9	L172736-09	WG174586
Vinyl chloride	mg/l	0.0148	0.0142	4.69	36	74.2	L172736-09	WG174586

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

**Quality Assurance Report
Level II**

October 15, 2004

L172736

Analyte	Matrix	Spike Duplicate			RPD	Limit	%Rec	Ref Samp	Batch
		Units	MSD Res	Ref Res					
1,1,1-Trichloroethane	mg/l	0.0211	0.0190	10.3	28	105.	L172924-09	WG174753	
1,1,2-Tetrachloroethane	mg/l	0.0217	0.0200	8.16	10	108.	L172924-09	WG174753	
1,1,2-Trichloroethane	mg/l	0.0214	0.0199	6.93	16	107.	L172924-09	WG174753	
1-Dichloroethane	mg/l	0.0188	0.0183	2.80	17	94.1	L172924-09	WG174753	
1,1-Dichloroethene	mg/l	0.0157	0.0155	1.35	36	78.5	L172924-09	WG174753	
1,2-Dibromoethane	mg/l	0.0212	0.0195	8.06	19	106.	L172924-09	WG174753	
2-Dichlorobenzene	mg/l	0.0215	0.0187	13.9	16	43.1	L172924-09	WG174753	
2-Dichloroethane	mg/l	0.0208	0.0207	0.771	13	104.	L172924-09	WG174753	
2-Dichloropropane	mg/l	0.0194	0.0176	9.42	14	96.8	L172924-09	WG174753	
1,3-Dichlorobenzene	mg/l	0.0217	0.0201	7.64	25	43.5	L172924-09	WG174753	
1,4-Dichlorobenzene	mg/l	0.0202	0.0180	11.4	18	40.4	L172924-09	WG174753	
-Chloroethyl vinyl ether	mg/l	0.00	0.00	0.00	25	0.00	L172924-09	WG174753	
Benzene	mg/l	0.0199	0.0197	1.26	20	99.7	L172924-09	WG174753	
Bromodichloromethane	mg/l	0.0206	0.0187	9.55	13	103.	L172924-09	WG174753	
Bromoform	mg/l	0.0252	0.0227	10.4	18	126.	L172924-09	WG174753	
Promomethane	mg/l	0.0046	0.0040	15.9	20	23.5	L172924-09	WG174753	
Carbon Tetrachloride	mg/l	0.0217	0.0213	2.00	36	109.	L172924-09	WG174753	
Chlorobenzene	mg/l	0.0213	0.0197	7.79	21	107.	L172924-09	WG174753	
Chlorodibromomethane	mg/l	0.0205	0.0191	7.16	17	103.	L172924-09	WG174753	
Chloroethane	mg/l	0.0107	0.0108	1.30	25	53.4	L172924-09	WG174753	
Chloroform	mg/l	0.0195	0.0190	2.59	26	97.7	L172924-09	WG174753	
Chloromethane	mg/l	0.0040	0.0045	11.8	31	20.4	L172924-09	WG174753	
cis-1,2-Dichloroethene	mg/l	0.0183	0.0179	2.15	18	91.5	L172924-09	WG174753	
cis-1,3-Dichloropropene	mg/l	0.0195	0.0176	10.2	17	97.5	L172924-09	WG174753	
Di-isopropyl ether	mg/l	0.0202	0.0204	1.13	48	101.	L172924-09	WG174753	
1-chlorodifluoromethane	mg/l	0.00	0.00	0.00	28	0.00	L172924-09	WG174753	
ethylbenzene	mg/l	0.0213	0.0200	6.69	16	107.	L172924-09	WG174753	
&p-Xylene	mg/l	0.0420	0.0388	7.94	24	105.	L172924-09	WG174753	
Methyl tert-butyl ether	mg/l	0.0192	0.0194	1.09	22	78.9	L172924-09	WG174753	
Methylene chloride	mg/l	0.0165	0.0168	2.16	16	82.4	L172924-09	WG174753	
Phthalene	mg/l	0.0331	0.0201	48.7	39	64.1	L172924-09	WG174753	
Xylene	mg/l	0.0214	0.0197	8.48	25	107.	L172924-09	WG174753	
Tetrachloroethene	mg/l	0.0202	0.0188	7.30	32	101.	L172924-09	WG174753	
Toluene	mg/l	0.0192	0.0177	8.45	15	96.2	L172924-09	WG174753	
trans-1,2-Dichloroethene	mg/l	0.0179	0.0178	0.786	27	89.5	L172924-09	WG174753	
trans-1,3-Dichloropropene	mg/l	0.0166	0.0149	10.9	16	83.0	L172924-09	WG174753	
Trichloroethene	mg/l	0.0191	0.0173	9.73	25	95.4	L172924-09	WG174753	
Trichlorofluoromethane	mg/l	0.0118	0.0122	2.92	41	59.1	L172924-09	WG174753	
Vinyl chloride	mg/l	0.0060	0.0059	0.167	36	30.0	L172924-09	WG174753	
1,1-Trichloroethane	mg/l	0.0197	0.0191	3.35	28	98.7	L173026-03	WG174911	
1,2,2-Tetrachloroethane	mg/l	0.0203	0.0206	1.27	10	102.	L173026-03	WG174911	
1,1,2-Trichloroethane	mg/l	0.0203	0.0202	0.346	16	101.	L173026-03	WG174911	
1,1-Dichloroethane	mg/l	0.0193	0.0188	2.31	17	96.3	L173026-03	WG174911	
1-Dichloroethene	mg/l	0.0200	0.0197	1.71	36	100.	L173026-03	WG174911	
2-Dibromoethane	mg/l	0.0211	0.0206	2.02	19	105.	L173026-03	WG174911	
2-Dichlorobenzene	mg/l	0.0198	0.0189	4.97	16	99.1	L173026-03	WG174911	
2-Dichloroethane	mg/l	0.0218	0.0212	2.56	13	109.	L173026-03	WG174911	
2-Dichloropropane	mg/l	0.0193	0.0185	4.13	14	96.4	L173026-03	WG174911	
3-Dichlorobenzene	mg/l	0.0214	0.0202	5.67	25	107.	L173026-03	WG174911	
4-Dichlorobenzene	mg/l	0.0189	0.0179	5.59	18	94.7	L173026-03	WG174911	
2-Chloroethyl vinyl ether	mg/l	0.00	0.00	0.00	25	0.00	L173026-03	WG174911	
Benzene	mg/l	0.0190	0.0185	2.35	20	94.9	L173026-03	WG174911	
Bromodichloromethane	mg/l	0.0219	0.0208	4.92	13	109.	L173026-03	WG174911	
Bromoform	mg/l	0.0223	0.0220	1.31	18	112.	L173026-03	WG174911	
Promomethane	mg/l	0.0166	0.0165	0.606	20	82.8	L173026-03	WG174911	
Carbon Tetrachloride	mg/l	0.0200	0.0192	4.08	36	100.	L173026-03	WG174911	
Chlorobenzene	mg/l	0.0210	0.0203	3.54	21	105.	L173026-03	WG174911	
Chlorodibromomethane	mg/l	0.0216	0.0208	3.54	17	108.	L173026-03	WG174911	

**ENVIRONMENTAL
SCIENCE CORP.**

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report

Level II

L172736

October 15, 2004

Analyte	Matrix	Spike Duplicate			RPD	Limit	%Rec	Ref Samp	Batch
		Units	MSD Res	Ref Res					
Chloroform		mg/l	0.0197	0.0191	3.15	26	98.4	L173026-03	WG174911
Chloromethane		mg/l	0.0237	0.0224	5.29	31	118.	L173026-03	WG174911
trans-1,2-Dichloroethene		mg/l	0.0198	0.0190	3.86	18	99.0	L173026-03	WG174911
trans-1,3-Dichloropropene		mg/l	0.0204	0.0195	4.26	17	102.	L173026-03	WG174911
Di-isopropyl ether		mg/l	0.0189	0.0185	2.03	48	94.4	L173026-03	WG174911
Dichlorodifluoromethane		mg/l	0.0244	0.0236	3.34	28	122.	L173026-03	WG174911
Methylbenzene		mg/l	0.0199	0.0193	3.01	16	99.5	L173026-03	WG174911
p-Xylene		mg/l	0.0404	0.0383	5.11	24	101.	L173026-03	WG174911
Methyl tert-butyl ether		mg/l	0.0181	0.0177	2.68	22	90.7	L173026-03	WG174911
Methylene chloride		mg/l	0.0187	0.0177	5.34	16	93.3	L173026-03	WG174911
Naphthalene		mg/l	0.0180	0.0178	1.01	39	83.6	L173026-03	WG174911
Xylene		mg/l	0.0208	0.0202	3.37	25	104.	L173026-03	WG174911
Tetrachloroethylene		mg/l	0.0200	0.0191	4.86	32	100.	L173026-03	WG174911
Toluene		mg/l	0.0194	0.0187	3.83	15	97.1	L173026-03	WG174911
trans-1,2-Dichloroethene		mg/l	0.0204	0.0197	3.74	27	102.	L173026-03	WG174911
trans-1,3-Dichloropropene		mg/l	0.0178	0.0174	2.50	16	89.0	L173026-03	WG174911
Trichloroethylene		mg/l	0.0194	0.0183	5.84	25	96.9	L173026-03	WG174911
Trichlorofluoromethane		mg/l	0.0200	0.0191	4.30	41	99.8	L173026-03	WG174911
Vinyl chloride		mg/l	0.0209	0.0205	1.98	36	105.	L173026-03	WG174911

Batch number /Run number / Sample number cross reference

WG174570: R210787: L172736-01 02 03 04 05
 WG174586: R210825: L172736-06 07 08 09 10 13
 WG174753: R210919: L172736-11
 WG174557: R210947: L172736-04 09 10 11 12
 WG174911: R211021: L172736-12

* denotes out of limit range result. See Attachment B of standard report for list of qualifiers.
 ** Calculations are performed prior to rounding of reported values.


ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Quantum Environmental Inc.
Mr. Tom Davis
6001 Chapel Hill Road, Suite 108
Raleigh, NC 27607

Quality Assurance Report
Level II
L172736

October 15, 2004

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Quantum Environmental Inc.			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody		
6001 Chapel Hill Road, Suite 108 Raleigh, NC 27607									Page <u>1</u> of <u>3</u>		
Report to: Mr. Tom Davis			Email: tdavis@QUANTUMCOS.co						Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (800) 767-5859 FAX (615) 758-5859		
Project Description: Nello Teer			City/State Collected <i>NC</i>								
Phone: (919) 852-3595 FAX: (919) 852-1997	Client Project #: 001394012		Lab Project # QUANTUM-001394012								
Collected by (print): <i>DAVIS</i>	Site/Facility ID#:		P.O. #:								
Collected by (signature): <i>[Signature]</i>	Rush? (Lab MUST Be Notified)		Date Results Needed		No. of Cntrs				Account: QUANTUM (lab use only)		
Packed on ice <input checked="" type="checkbox"/> Y	Same Day 200%					Email? No <input checked="" type="checkbox"/> Yes				Template/Prelogin T26776/P124588	
	Next Day 100%				FAX? No <input checked="" type="checkbox"/> Yes				Cooler #: 9/28/04 QAH		
	Two Day 50%								Shipped Via: FedEx Ground		
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time				Remarks/Contaminant	Sample # (lab only)	
MW-1	<i>G</i>	GW	1	10/6/04	12:50	2	X			<i>L172736-01</i>	
MW-7	<i>G</i>	GW		10/5/04	1508	2		X		<i>-02</i>	
MW-9	<i>G</i>	GW				3	X	X			
MW-11	<i>G</i>	GW				2		X			
MW-13	<i>G</i>	GW				2		X			
MW-15	<i>G</i>	GW				3	X		X		
MW-17	<i>G</i>	GW				2		X			
MW-18	<i>G</i>	GW				2		X			
MW-20D	<i>G</i>	GW		10/5/04	1305	2		X		<i>-03</i>	

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Remarks: _____ Flow _____ Other _____

Relinquished by: (Signature)	Date: <i>10/6/04</i>	Time: <i>1420</i>	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature)	Date: <i>10/6/04</i>	Time: <i>1420</i>	Received by: (Signature)	Temp: <i>3.1°</i> Bottles Received: <i>29 + 3 FB</i>	<i>8446 7381 7320</i> <i>OLC</i>
Relinquished by: (Signature)	Date: _____	Time: _____	Received for lab by: (Signature)	Date: <i>10/7/04</i>	pH Checked: _____ NCF: _____

Quantum Environmental Inc.			Alternate billing information:			Analysis/Container/Preservative			Chain of Custody Page <u>2</u> of <u>3</u>		
6001 Chapel Hill Road, Suite 108 Raleigh, NC 27607											
Report to: Mr. Tom Davis			Email: tdavis@QUANTUMCOs.co						Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (800) 767-5859 FAX (615) 758-5859		
Project Description: Nello Teer			City/State Collected <i>NC</i>								
Phone: (919) 852-3595 FAX: (919) 852-1997	Client Project #: 001394012		Lab Project # QUANTUM-001394012								
Collected by (print): <i>DAVIS</i>	Site/Facility ID#:		P.O.#:								
Collected by (signature): <i>TD</i>	Rush? (Lab MUST Be Notified)		Date Results Needed		No. of Cntrs				Acctnum: QUANTUM (lab use only) Template/Prelogin T26776/P124588 Cooler #: 9/28/04 CTH Shipped Via: FedEx Ground		
Packed on Ice <i>N</i>	Same Day 200% Next Day 100% Two Day 50%		Email? No <input checked="" type="checkbox"/> Yes FAX? No <input type="checkbox"/> Yes	Metals 250mLHDPE-HNO3 SV610 1L-Amb-NoPres V601 40mLAmb-HCl V601/602 40mLAmb-HCl-Blk V602 plus EDB 40mLAmb-HCl							
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time				Remarks/Contaminant	Sample # (lab only)	
MW-23	<i>G</i>	GW		<i>10/5/04</i>	<i>1700</i>	3	X	<i>X</i>		<i>L172736-04</i>	
MW-25	<i>G</i>	GW		<i>11</i>	<i>1530</i>	2	X			<i>-05</i>	
MW-25I	<i>G</i>	GW		<i>11</i>	<i>1547</i>	3	<i>X</i>			<i>-06</i>	
MW-26	<i>—</i>	GW				2	X				
MW-28D	<i>G</i>	GW		<i>10/6/04</i>	<i>1330</i>	2	X			<i>-07</i>	
MW-29	<i>—</i>	GW				2	X				
MW-29I	<i>G</i>	GW		<i>10/5/04</i>	<i>1617</i>	2	X			<i>-08</i>	
RW-1	<i>G</i>	GW		<i>10/6/04</i>	<i>1203</i>	<i>34</i>	X	X		<i>-09</i>	
RW-3	<i>G</i>	GW		<i>11</i>	<i>1155</i>	3	X	X		<i>-10</i>	

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature) <i>TD</i>	Date: <i>10/6/04</i>	Time: <i>1420</i>	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: <i>3.1°</i>	Bottles Received: <i>24+3TB</i>
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <i>10/7/04</i>	Time: <i>900</i>
				pH Checked:	NCF:

Quantum Environmental Inc. 6001 Chapel Hill Road, Suite 108 Raleigh, NC 27607				Alternate billing information:		Analysis/Container/Preservative				Chain of Custody Page <u>3</u> of <u>3</u>			
Report to: Mr. Tom Davis		Email: tdavis@QUANTUMCOS.co										Prepared by: ENVIRONMENTAL SCIENCE CORP. 12065 Lebanon Road Mt. Juliet, TN 37122 Phone (800) 767-5859 FAX (615) 758-5859	
Project Description: Nello Teer		City/State Collected <i>NC</i>											
Phone: (919) 852-3595 FAX: (919) 852-1997	Client Project #: 001394012	Lab Project # QUANTUM-001394012											
Collected by (print): <i>DAVIS</i>	Site/Facility ID#:	P.O.#:											
Collected by (signature): <i>[Signature]</i>	Rush? (Lab MUST Be Notified) Same Day 200% Next Day 100% Two Day 50%	Date Results Needed	No. of Cntrs									Acctnum: QUANTUM (lab use only) Template/Prelogin T26776/P124588 Cooler #: 9/28/04 CHH Shipped Via: FedEx Ground	
Packed on Ice N Y	Email? No X Yes FAX? No Yes	SV610 1L-Amb-HCl		V601 40mlAmb-HCl	V601/602 40mlAmb-HCl	V601/602 40mlAmb-HCl-Blk	V602 plus EDB 40mlAmb-HCl						
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time							Remarks/Contaminant	Sample # (lab only)
RW-5	/	GW		/	/	3	X X					L172786-4	(JH)
RW-6	/	GW		/	/	3	X X						
RW-7	/	GW		/	/	3	X X						
RW-8	G	GW	—	10/6/04	0915	3	X X						-11
RW-9	/	GW		/	/	3	X X						(JH)
RW-10	G	GW	—	10/6/04	0855	3X	X	X					-12
TRIP BLANK	—	GW		/	/	1			X				-13
*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____												pH _____	Temp _____
Remarks: _____												Flow _____	Other _____

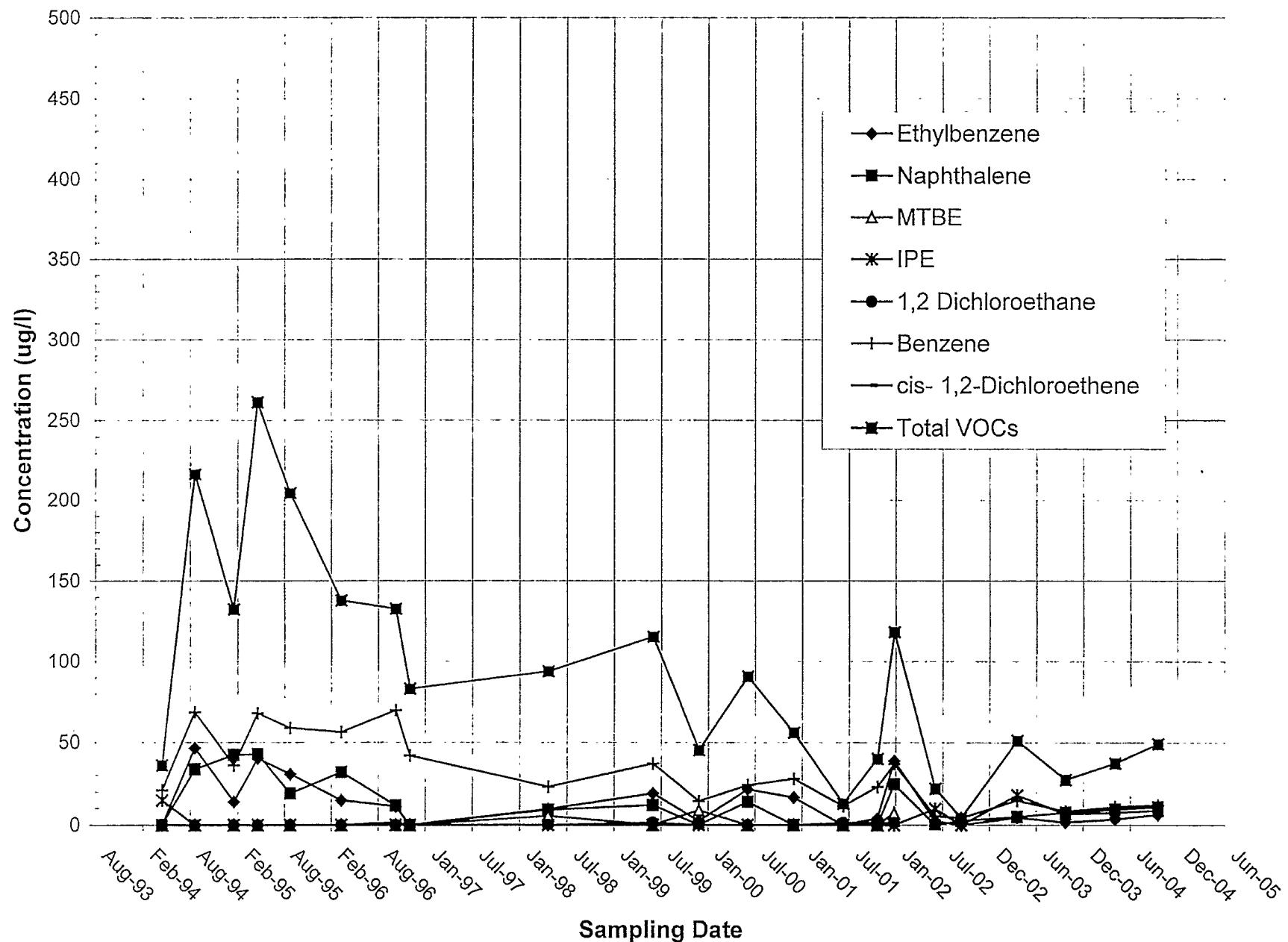
Relinquished by: (Signature)	Date: <u>10/6/04</u>	Time: <u>14:42:00</u>	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature)	Date: _____	Time: _____	Received by: (Signature)	Temp: <u>3.1</u> Bottles Received: <u>24+3TB</u>	<i>OK</i>
Relinquished by: (Signature)	Date: _____	Time: _____	Received for lab by: (Signature)	Date: <u>10/7/04</u> Time: <u>9:00</u>	pH Checked: _____ NCF: _____

Appendix B

Appendix B

Charts of Groundwater Concentrations Versus Time for MW-23 and MW-25

MW-23 Historic Groundwater Monitoring Results.



MW-25 Historic Groundwater Monitoring Results.

